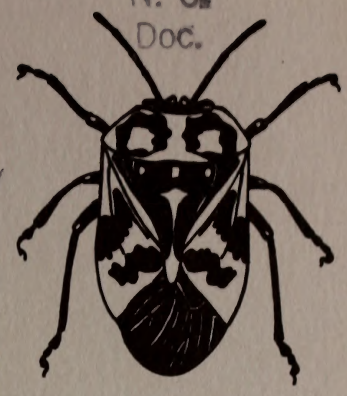
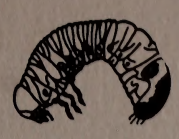
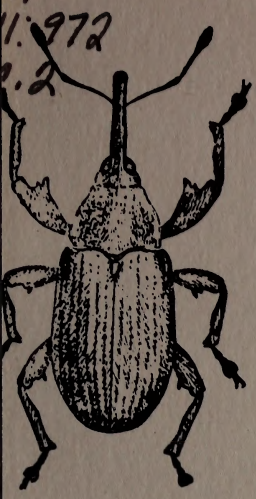


41  
11: 972  
2

N. C.  
Doc.



North Carolina State Library  
Raleigh

*North Carolina*  
PESTICIDE REPORT  
*for 1972*



---

THE BULLETIN

of the

North Carolina Department of Agriculture

JAMES A. GRAHAM, *Commissioner*

Number 212

May, 1973





North Carolina

# PESTICIDE REPORT

for

January 1-December 31, 1972



## THE BULLETIN

of the

North Carolina Department of Agriculture

Raleigh, N. C.

JAMES A. GRAHAM, *Commissioner*

JOHN L. REITZEL, *Deputy Commissioner*

DR. W. Y. COBB, *State Chemist*

ROBERT T. TEAGUE, *Assistant State Chemist*

WILLIAM B. BUFFALOE, *Adm., Pesticide Branch*

Number 212

May, 1973

Digitized by the Internet Archive  
in 2016



## Table of Contents

	Page
Regulation of Pesticides.....	5
Brief of the North Carolina Pesticide Law of 1971.....	7
Pesticide Registrants, 1972.....	10
Licensees Under North Carolina Aerial Crop-Dusting Law for 1972....	26
Definitions of Decisions.....	32
Pesticides Examined, 1972.....	33
Summary of Pesticides Examined—1972.....	38
Samples Determined to be at Variance	
From the Guarantee, 1972.....	39





## Regulation of Pesticides

Pesticides cover a large number of materials and mixtures intended for destroying, controlling, or repelling pests such as insects, weeds and other noxious plants, predatory animals and birds, soil-infesting pests such as nematodes, algae, snails and bacteria. Other examples are disinfectants, antiseptics and fungicides for use other than on living man or other animals, defoliants, various repellents, fly paper and other adhesive products whose action goes beyond simple mechanics, moth proofers, wood preservatives other than common paints, mildew controls, and seed fumigants.

An adequate and readily available supply of many of these products is essential in the economical production of feed and fiber crops. The preservation of many products in storage and the control of domestic and industrial pests which affect both the health and welfare of human beings and animals are likewise dependent on such materials.

While the development and distribution of various pesticides to serve these needs are important, provisions must be present to protect the public. During the years 1947 through 1971 it was the purpose of the economic poisons law (North Carolina Insecticide, Fungicide, and Rodenticide Act of 1947, G.S. 4A, Chapter 106) to protect the public from adulterated, misbranded, worthless and dangerous products, and legitimate manufacturers from unscrupulous competition.

During the years 1953 through 1971 the aerial application of pesticides was regulated by the North Carolina Aerial Crop Dusting Law, G.S. 4B, Chapter 106. The Law and the regulations promulgated thereunder, in summary required the registration and licensing of contractors and aviators who engaged in the custom application of pesticides by aircraft in North Carolina. The validity of a license was further restricted to the period of time that coverage by liability bond or insurance for damage by aircraft was in force.

During 1969 the North Carolina General Assembly through House Resolution 1392 directed the Legislative Research Commission to study the laws regulating pesticides in N. C. and report its findings and recommendations to the 1971 General Assembly. As a result of the findings and recommendations of the Commission, the North Carolina Pesticide Law of 1971 was adopted.

The N. C. Pesticide Law of 1971 established the North Carolina Pesticide Board as the governing body for the programs of pesticide management and control set forth in the Law. Provision for regulating the use, application (aerial and ground), sale, storage, disposal and registration of pesticides are set forth in the Law.

The Law provides for the adoption of a list of restricted-use pesticides and requires the licensing of all pesticide dealers who sell restricted-use pesticides directly to users. Pesticide applicators and consultants are also subject to licensing requirements.

The Commissioner of Agriculture is responsible for administering and enforcing the Law and all rules and regulations adopted by the Board.

Each brand or grade of pesticide must be registered with the North Carolina Department of Agriculture before it can be legally offered for sale in the State. A \$25.00 registration fee for each brand or grade must accompany each Application for Registration.

As under the economic poison law, a state-wide inspection service will be maintained for the collection of official samples of pesticides from dealers. Individual requests for inspections are also made. As authorized, additional pesticide samples will be taken at the user level as they are being applied to determine if they are being used in an approved manner. Samples of the commodity to which pesticides have been applied will also be taken when deemed appropriate.

Samples are sent to the Department's laboratories for analysis. Reports of analytical results are forwarded to manufacturers, dealers, and users. As a further means of reporting, the Pesticide Report covering a year's work as exemplified herewith, is published annually.

Provisions of the North Carolina Pesticide Law of 1971 are given in greater detail in the "Brief of the North Carolina Pesticide Law of 1971" on pages through

Credit is due to members of the Pesticide Branch of the Analytical Division for the highly satisfactory manner in which they have performed their duties: George R. Winstead, III, Chemist-In-Charge; J. Leon Carroll, Norman L. Norton, Floyd E. Quick, James D. Watson, Allie L. Williams, Chemists; Mrs. Judith H. Card, Mrs. Betty H. Griffin, and Mrs. Mary Lee Merritt, Secretaries; James R. Stevens, Inspection Supervisor; Louie H. Johnson, Pesticide Enforcement Supervisor; A. G. Campbell, Jr., James R. Collins, Maurice M. Mullen, Clyde C. Reed, and Kenneth E. Warren, Inspectors; Charles E. Hinton, Jr., Laboratory Helper.



## Brief of the North Carolina Pesticide Law of 1971

### North Carolina Pesticide Board

Governing Body

Commissioner of Agriculture, Raleigh, N. C.

Administrative and Enforcement Authority

### North Carolina Pesticide Advisory Committee

Assists the Board and Commissioner in an advisory capacity

Any pesticide may be designated as a "restricted-use pesticide" upon the grounds that in the judgment of the Board it is so hazardous or injurious to persons, pollinating insects, animals, crops, wildlife, lands, or the environment that additional restrictions on its sale, purpose, use, or possession are required. (The list of Restricted-Use Pesticides has been established by regulation.)

Restricted-Use Pesticides

All pesticide dealers who sell restricted-use pesticides must be licensed. Application for a pesticide dealer's license must be accompanied by a fee of \$25. All licenses shall expire on December 31 of the year for which they are issued. The license may be renewed annually upon application to the Department of Agriculture, accompanied by a fee of \$25 for each license, on or before the first day of January of the calendar year for which the license is issued. Prior to January 1, 1974, each applicant must demonstrate upon written, or written and oral, examination his knowledge of pesticides, their usefulness and their hazards; his competence as a pesticide dealer; and his knowledge of the laws and regulations governing the use and sale of pesticides.

Pesticide Dealer Licensing Requirement

No person shall engage in the business of pesticide application within North Carolina unless he is licensed annually by the Board. Each license application shall be accompanied by a fee of \$25 for each applicator's license and an additional \$10 for each aircraft to be licensed. A pesticide applicator is defined as any person who owns or manages a pesticide application business which is engaged in the business of applying pesticides upon the lands of another. It includes a public operator, which is any person in charge of any pesticide application equipment used by public utilities, state agencies, municipal corporations or other governmental agencies, but does not include:

Pesticide Applicator Licensing Requirement

- a. Any person applying pesticides for himself with ground equipment who (i) operates and main-

tains pesticide applicator equipment primarily for his own use; (ii) is not regularly engaged in the business of applying pesticides for hire amounting to a principal or regular occupation; (iii) does not publicly hold himself out as a pesticide applicator; and (iv) operates his pesticide applicator equipment only in the vicinity of his own property and for the accommodation of his neighbors.

- b. Any person regulated by the North Carolina Structural Pest Control Law (General Statutes Chapter 106, Article 4C.)

Prior to January 1, 1974, each applicant must demonstrate upon written, or written and oral, examination his competence as a pesticide applicator or public operator.

No person shall perform services as a pest control consultant without first procuring from the Board a license. The application for a license shall be accompanied by an annual fee of \$25. A pest control consultant is defined as any person who, for a fee, offers or supplies technical advice, supervision, or aid, or recommends the use of specific pesticides for the purpose of controlling insects, plant diseases, weeds, and other pests, but does not include any person regulated by the North Carolina Structural Pest Control Act. Prior to January 1, 1974, each applicant must demonstrate upon written, or written and oral, examination his competence as a pesticide consultant.

Pest Control  
Consultant  
Licensing  
Requirement

No person shall handle, transport, store, display, or distribute pesticides in such a manner as to endanger man or his environment.

Handling, Storage,  
and Disposal of  
Pesticides

Every pesticide prior to being distributed, sold, or offered for sale within this State or delivered for transportation or transported in intrastate commerce or between points within this State through any point outside this State shall be registered and such registration shall be renewed annually.

Registration

A registration fee of \$25 for each brand or grade of pesticide is required. An additional \$25 delinquent registration penalty shall be assessed against the registrant for each brand or grade of pesticide marketed in North Carolina prior to registration.

Registration Fee  
and Delinquent  
Penalty

Registration is subject to refusal or cancellation for cause and upon hearing.

Refusal or  
Cancellation of  
Registration



A deficiency penalty of three times the percentage deficiency times the retail value as established by the consignee at the time of sampling but not less than \$25 shall be assessed against any registrant of a pesticide found deficient in active ingredients.

#### Deficiencies

Any brand or grade found to be deficient or excessive in active ingredients, misbranded, adulterated, or not registered is subject to "Stop Sale, Stop Use Orders."

#### "Stop Sale, Stop Use Orders"

Any person who shall be adjudged to have violated any provision of the Law, or any regulation of the Board adopted pursuant to this Law, shall be guilty of a misdemeanor and for each violation shall be liable for a penalty of not less than \$100 nor more than \$1,000 or shall be imprisoned for not more than 60 days, or both. In addition, if any person continues to violate or further violates any provision of this Article after written notice from the Board, the court may determine that each day during which the violation continued or is repeated constitutes a separate violation subject to the foregoing penalties.

#### Penalties

**NOTE: Copies of the North Carolina Pesticide Law of 1971 and regulations adopted by the Board may be obtained upon request to the Pesticide Branch North Carolina Department of Agriculture, Raleigh, North Carolina 27611.**

## Pesticide Registrants, 1972

**ABCO, INC.**

R. D. #3, P. O. Box J  
Irwin, Pennsylvania 15642

**ACE HARDWARE CORPORATION**

6501 West 65th Street  
Chicago, Illinois 60638

**ACELINE PRODUCTS CORPORATION**

27 Gorham Street  
Rochester, New York 14605

**ACETO CHEMICAL COMPANY**

126-02 Northern Boulevard  
Flushing, New York 11368

**ADCO CHEMICALS, INC.**

1307 Kirkland Drive  
Raleigh, North Carolina 27603

**AERO-DYNE MANUFACTURING CORPORATION**

3505 West Main  
Emmetsburg, Iowa 50536

**AERO-MASTER, INC.**

325 West Pacific Avenue  
St. Louis, Missouri 63119

**AGRICULTURAL PRODUCTS COMPANY, INC.**

589 Atwells Avenue  
Providence, Rhode Island 02909

**AIRKEM**

Division of Airwick Industries, Inc.  
111 Commerce Road  
Carlstadt, New Jersey 07072

**AIROSOL COMPANY, INC.**

525 North 11th Street  
Neodesha, Kansas 66757

**ALADDIN PRODUCTS**

3786 Northeast Expressway  
Atlanta, Georgia 30340

**ALBERS MILLING COMPANY**

A Division of Carnation Company  
5045 Wilshire Boulevard  
Los Angeles, California 90036

**ALCO CHEMICAL COMPANY**

19220 Pioneer Boulevard  
Artesia, California 90701

**ALFCO ROKEBY COMPANY, INC.**

2nd Street at St. Clair Street  
Marietta, Ohio 45750

**ALFORD HOME PRODUCTS**

P. O. Box 239  
Middlesex, North Carolina 27557

**ALLEY-JOHNSON COMPANY**

1519 West 16th  
Kansas City, Missouri 64102

**ALLIED CHEMICAL CORPORATION**

Agricultural Division  
Pesticide Marketing Department  
P. O. Box 2061 R  
Morristown, New Jersey 07960

**ALLIED MILLS, INC.**

Chicago  
Illinois 60606

**ALLIED MILLS, INC.**

P. O. Box 459  
Libertyville, Illinois 60048

**AMCHEM PRODUCTS, INC.**

Brookside Avenue  
Ambler, Pennsylvania 19002

**AMDAL COMPANY**

Agricultural Products Division  
Abbott Laboratories  
Abbott Park, 1400 Sheridan Road  
North Chicago, Illinois 60064

Agricultural and Veterinary  
Products Division

**AMERICAN CANDLE COMPANY, INC.**

63 Fourth Avenue  
Haskell, New Jersey 07420

**AMERICAN CYANAMID COMPANY**

Agricultural Division  
P. O. Box 400  
Princeton, New Jersey 08540

**AMERICAN CYANAMID COMPANY**

Consumer Products Division  
Berdan Avenue  
Wayne, New Jersey 07470

**AMERICAN MACHINERY CORPORATION**

P. O. Box 3228  
Orlando, Florida 32802

**AMERON**

Corrosion Control Division  
201 North Berry Street  
Brea, California 92621

**AMWAY CORPORATION**

7575 East Fulton Road  
Ada, Michigan 49301

**ANCHOR SERUM COMPANY**

2075 West Raymond Street  
Indianapolis, Indiana 46206

**ANDERSON, JAMES H. COMPANY**

418 West Peace Street  
Raleigh, North Carolina 27603

**ANGIER, TOWN OF**

P. O. Box 278  
Angier, North Carolina 27501

**ANIMAL REPELLENTS, INC.**

980 Ellicott Street  
Buffalo, New York 14209

**ANSUL COMPANY, THE**

One Stanton Street  
Marinette, Wisconsin 54143

**APPLIED BIOCHEMISTS, INC.**

5300 West County Line Road  
Mequon, Wisconsin 53092

**AQUARIUM SUPPLY COMPANY**

Division of Sternco Industries, Inc.  
600 South Fourth Street  
Harrison, New Jersey 07029

**AQUATECH CORPORATION**

6020 East Speedway  
Tucson, Arizona 85716



- ARBROOK, INC.  
2500 Arbrook Boulevard  
Arlington, Texas 76010
- ASEPSIS, INC.  
627 East College Avenue  
Decatur, Georgia 30030
- ASHEVILLE POOL COMPANY  
P. O. Box 1613  
Asheville, North Carolina 28802
- ASPEN INDUSTRIES, INC.  
Onondaga Street  
Tully, New York 13159
- ASPLUNDH TREE EXPERT COMPANY  
505 York Road  
Jenkintown, Pennsylvania 19046
- ASTOR PRODUCTS, INC.  
P. O. Box B  
Jacksonville, Florida 32203
- ATHENA CORPORATION  
4838 Woodall  
Dallas, Texas 75247
- ATLA CHEMICAL COMPANY, INC.  
P. O. Box 237  
Jamestown, North Carolina 27282
- ATLANTIC AND PACIFIC TEA  
COMPANY, INC., THE GREAT  
Ann Page Division  
100 Fair Street  
Brockport, New York 14420  
420 Lexington Avenue  
New York, New York 10017
- AVITROL CORPORATION  
7644 East 46th Street  
Tulsa, Oklahoma 74145
- AYERST LABORATORIES, INC.  
685 Third Avenue  
New York, New York 10017
- BASF WYANDOTTE CORPORATION  
1609 Biddle Avenue  
Wyandotte, Michigan 48192  
100 Cherry Hill Road  
Parsippany, New Jersey 07054
- BABCO CHEMICAL COMPANY, INC.  
711 West Bay Street  
Jacksonville, Florida 32203
- BABSON BROTHERS COMPANY  
2100 South York Road  
Oak Brook, Illinois 60521
- BANDY LABORATORIES, INC.  
P. O. Box 727  
Temple, Texas 76501
- BANNER-TRULOVE COMPANY  
Greensboro  
North Carolina 27420
- BARBER VETERINARY SUPPLY  
COMPANY  
824 West Broad Street  
Richmond, Virginia 23220
- BARKER, MOORE AND MEIN  
Myerstown  
Pennsylvania 17067
- BARNES-HIND PHARMACEUTICALS,  
INC.  
895 Kifer Road  
Sunnyvale, California 94086
- BECTON, DICKINSON AND COMPANY  
Rutherford  
New Jersey 07070
- BEN VENUE LABORATORIES, INC.  
270 Northfield Road  
Bedford, Ohio 44146
- BERNZOMATIC CORPORATION  
740 Driving Park Avenue  
Rochester, New York 14613
- BEST ENTERPRISES, LTD.  
2700 Hillsborough Road  
Durham, North Carolina 27705
- BIG STAR FOODS  
P. O. Box 4358  
Atlanta, Georgia 30302
- BIO-CEUTIC LABORATORIES, INC.  
Division of Philips Roxane, Inc.  
2621 North Belt  
St. Joseph, Missouri 64502
- BIO-LAB, INC.  
P. O. Box 1489  
Decatur, Georgia 30031
- BI-RITE SUPER MARKETS, INC.  
Greensboro  
North Carolina 27403
- BISHOP-WISECARVER CORPORATION  
2104 Martin Way  
Pittsburg, California 94565
- BISSELL, INC.  
919 - 18th Street, N.W.  
Washington, D. C. 20006
- BLACK LEAF PRODUCTS COMPANY  
667 North State Street  
Elgin, Illinois 60120
- BLOX INDUSTRIES, INC.  
100 Ashburton Avenue  
Woburn, Massachusetts 01801
- BLUE MAGIC COMPANY OF NORTH  
CAROLINA, INC.  
509 South Lodge Street  
Wilson, North Carolina 27893
- BOGLE, R. H. COMPANY, THE  
P. O. Box 588  
Alexandria, Virginia 22313
- BOHLENDER PLANT CHEMICALS,  
INC.  
Box 227  
Tipp City, Ohio 45371
- BONIDE CHEMICAL COMPANY, INC.  
382 North Genesee Street  
Utica, New York 13502
- BORDERLAND PRODUCTS, INC.  
560 Fulton Street, P. O. Box 366  
Buffalo, New York 14240
- BORDMAN COMPANY, THE  
Umbria and Lemonte Streets  
Philadelphia, Pennsylvania 19127
- BOYLE-MIDWAY, INC.  
South Avenue and Hale Street  
Cranford, New Jersey 07016
- BRAME SPECIALTY COMPANY, INC.  
949 Washington Street  
Durham, North Carolina 27702

**BRONDOW, INC.**

1075 Central Park Avenue  
Scarsdale, N. Y. 10583

**BROWN MANUFACTURING COMPANY**

1-3 Church Street  
Le Roy, New York 14482

**BUCKMAN LABORATORIES, INC.**

1256 North McLean Boulevard  
Memphis, Tennessee 38108

**BUNCOMBE COUNTY HEALTH CENTER**

P. O. Box 7607, 35 Woodfin Street  
Asheville, North Carolina 28807

**CESSCO, INC.**

(Chemical and Equipment Sales  
and Service Company)  
3534 Central Avenue, Box 12452  
Charlotte, North Carolina 28205

**C-H PRODUCTS CORPORATION**

267 East Valley Boulevard  
Rialto, California 92376

**C-Z CHEMICAL COMPANY, INC.**

1447 Argall Avenue  
Beloit, Wisconsin 53511

**CALGON COMMERCIAL DIVISION**

Calgon Corporation  
Box 147  
St. Louis, Missouri 63166

**CALGON CORPORATION**

Subsidiary of Merck and Company  
P. O. Box 1346  
Pittsburgh, Pennsylvania 15230

**CANAAN PRODUCTS, INC.**

300 Park Avenue  
New York, New York 10022

**CANDLE-LITE, INC.**

9213 Blue Ash Road  
Cincinnati, Ohio 45242

**CAPE FEAR CHEMICALS, INC.**

P. O. Box 695  
Elizabethtown, North Carolina 28337

**CAPITOL CHEMICAL COMPANY**

5455 Butler Road  
Washington, D. C. 20016

**CARAJON CHEMICAL COMPANY, INC.**

P. O. Box 167, 505 South Division  
Fremont, Michigan 49412

**CARBOLA CHEMICAL COMPANY, INC.**

Natural Bridge  
New York 13665

**CARBOLINEUM WOOD PRESERVING COMPANY**

6683 North 40th Street  
Milwaukee, Wisconsin 53209

**CARDINAL PRODUCTS CORPORATION**

80 N. W. 73rd Street  
Miami, Florida 33150

**CARMEL CHEMICAL CORPORATION**

P. O. Box 406  
Westfield, Indiana 46074

**CAROLINA CHEMICAL CORPORATION**

P. O. Box 70  
Wilson, North Carolina 27893

**CAROLINA CHEMICALS, INC.**

P. O. Box 118, Columbia Airport  
West Columbia, South Carolina 29169

**CAROLINA GARDEN AND FARM SERVICE, INC.**

279 East Main Avenue  
Gastonia, North Carolina 28052

**CAVALIER CHEMICAL COMPANY, INC.**

3901-8th Avenue  
Brooklyn, New York 11232

**CENTRAL SOYA**

300 Ft. Wayne Bank Building  
Fort Wayne, Indiana 46802

**CERFACT LABORATORIES**

P. O. Box 47645  
Atlanta, Georgia 30340

**CERTIFIED LABORATORIES, INC.**

P. O. Box 2493  
Fort Worth, Texas 76101

**CHAPMAN CHEMICAL COMPANY**

P. O. Box 9158  
Memphis, Tennessee 38109

**CHARLES, JOHN COMPANY**

1513 Plaza del Amo  
Torrance, California 90501

**CHASE PRODUCTS COMPANY**

19th and Gardner Road  
Broadview, Illinois 60153

**CHATHAM COUNTY 4-H COUNCIL**

P. O. Box 278  
Pittsboro, North Carolina 27312

**CHEMAGRO CORPORATION**

A Division of Baychem Corporation  
P. O. Box 4913 — Hawthorn Road  
Kansas City, Missouri 64120

**CHEMICAL INDUSTRIES, INC.**

831 East 43rd Street  
Brooklyn, New York 11210

**CHEMICAL PROCESSORS, INC.**

2434 - 22nd Street, North  
St. Petersburg, Florida 33733

**CHEMICAL RESEARCH PRODUCTS COMPANY, INC.**

1034 West 45th Street  
Norfolk, Virginia 23508

**CHEMICAL SALES COMPANY**

P. O. Box 736  
Henderson, North Carolina 27536

**CHEMICAL SERVICE**

Division of Imoco-Gateway Corporation  
Howard and West Streets  
Baltimore, Maryland 21230

**CHEMPAR CHEMICAL COMPANY, INC.**

260 Madison Avenue  
New York, New York 10016

**CHEMSCOPE CORPORATION**

155 Howell Street  
Dallas, Texas 75207



CHEVRON CHEMICAL COMPANY  
Ortho Division  
940 Hensley Street  
Richmond, California 94804

CHICAGO CANDLE CORPORATION  
141 West 62nd Street  
Chicago, Illinois 60621

CIBA AGROCHEMICAL COMPANY  
556 Morris Avenue  
Summit, New Jersey 07901

CITIES SERVICE COMPANY  
Industrial Chemicals Division  
P. O. Drawer 50360  
Atlanta, Georgia 30302

CLARKE AND PROCTOR TURPENTINE  
COMPANY, INC.  
331-349 Worth Street, P. O. Box 194  
Fayetteville, North Carolina 28302

CLEAN HOME PRODUCTS, INC.  
2805 Locust Street  
St. Louis, Missouri 63103

CLEARY, W. A. CORPORATION  
P. O. Box 749  
New Brunswick, New Jersey 08903

CLEMMONS HOUSE, INC., THE  
4165 Briar Creek Road  
Clemmons, North Carolina 27012

CLIMALENE COMPANY, THE  
1022 Ninth Street, S. W.  
Canton, Ohio 44707

CLINE-BUCKNER, INC.  
16317 Piuma Avenue  
Cerritos, California 90701

CLOROX COMPANY, THE  
P. O. Box 24305  
Oakland, California 94623

COASTAL CHEMICAL COMPANY  
Division of Coastal Industries, Inc.  
190 Jony Drive  
Carlstadt, New Jersey 07072

COASTAL CHEMICAL CORPORATION  
P. O. Box 856  
Greenville, North Carolina 27834

COBIS PRODUCTS COMPANY, INC.  
P. O. Box 4358  
Atlanta, Georgia 30302

COLEMAN COMPANY, INC., THE  
250 North St. Francis  
Wichita, Kansas 67201

COLGATE-PALMOLIVE COMPANY  
300 Park Avenue  
New York, New York 10022

COLONIAL PRODUCTS, INC.  
1830 - 10th Avenue, North  
Lake Worth, Florida 33460

COMARK PLASTICS DIVISION  
United Merchants  
1407 Broadway  
New York, New York 10018

COMET MANUFACTURING  
CORPORATION  
1381 Dalon Drive, N. E.  
Atlanta, Georgia 30306

COMMUNITY CASH STORES  
Spartanburg  
South Carolina 29301

COOK CHEMICAL COMPANY  
2500 Summit  
Kansas City, Missouri 64141

COOPER U.S.A., INC.  
1909 North Clifton Avenue  
Chicago, Illinois 60614

COSSMAN AND LEVINE, INC.  
1238 North Highland Avenue  
Hollywood, California 90038

COTTER AND COMPANY  
19th and Gardner Road  
Broadview, Illinois 60153

COTTON PRODUCERS ASSOCIATION  
Atlanta  
Georgia

COUGHLAN PRODUCTS, INC.  
29 Spring Street  
West Orange, New Jersey 07052

COWLEY, S. L. AND SONS  
MANUFACTURING COMPANY, INC.  
708 West McAlester Street  
Hugo, Oklahoma 74743

CRE-O-TOX CHEMICAL PRODUCTS  
COMPANY  
2670 Broad Avenue  
Memphis, Tennessee 38112

CREST CHEMICAL COMPANY, INC.  
Race Track Road, P. O. Box O  
Oldsmar, Florida 33557

CROWN CHEMICALS, INC.  
4995 North Main Street  
Rockford, Illinois 61101

CRYSTAL MANUFACTURING  
CORPORATION  
1525 North Post Oak Road  
Houston, Texas 77055

CUMBERLAND COUNTY HEALTH  
DEPARTMENT  
P. O. Box 470  
Fayetteville, North Carolina 28302

CUMBERLAND MANUFACTURING  
COMPANY  
Box 676 - 501 25th Avenue, North  
Nashville, Tennessee 37202

CUTTER LABORATORIES, INC.  
4th and Parker Streets  
Berkeley, California 94710

DADANT AND SONS, INC.  
Second and Broadway  
Hamilton, Illinois 62341

DALE CHEMICAL COMPANY  
4044 Park Avenue  
St. Louis, Missouri 63110

DALY-HERRING COMPANY  
Neuse Road  
Kinston, North Carolina 28501

DARWORTH, INC.  
P. O. Box K  
Avon, Connecticut 06001

DAVIDSON COUNTY HEALTH  
DEPARTMENT  
P. O. Box 439  
Lexington, North Carolina 27292

DAVIES-YOUNG COMPANY, THE  
2700 Wagner Place  
Maryland Heights, Missouri 63043

DAVIS AND GECK  
American Cyanamid Company  
North Middletown Road  
Pearl River, New York 10965

d-CON COMPANY, INC., THE  
90 Park Avenue  
New York, New York 10016

DEARBORN CHEMICAL DIVISION  
Chemed Corporation  
320 Genesee Street  
Lake Zurich, Illinois 60047

DE LAVAL SEPARATOR  
COMPANY, THE  
350 Dutchess Turnpike  
Poughkeepsie, New York 12602

DEL CHEMICAL CORPORATION  
P. O. Box 280  
Menomonee Falls, Wisconsin 53051

DELST CHEMICAL AND RESEARCH  
COMPANY  
1156 D North Fountain Way  
Anaheim, California 92806

DELTA PET PRODUCTS  
600 South Fourth Street  
Harrison, New Jersey 07029

DeMERT AND DOUGHETRY, INC.  
4268 Utah Street  
St. Louis, Missouri 63116

DeSOTO CHEMICAL COMPANY, INC.  
P. O. Box 70  
Arcadia, Florida 33821

DETTELBAACH PESTICIDE  
CORPORATION  
4111 Peachtree Road, NE  
Atlanta, Georgia 30319

DEWITT CHEMICAL COMPANY  
P. O. Box 343  
Atlanta, Georgia 30301

DIAMOND SHAMROCK CORPORATION  
300 Union Commerce Building  
Cleveland, Ohio 44115

DISTRICT HEALTH DEPARTMENT  
Box 237  
Yanceyville, North Carolina 27379

DISTRICT HEALTH DEPARTMENT  
P. O. Box 189 — Cedar Street  
Elizabeth City, North Carolina 27909

DIVERSEY CHEMICALS  
1855 South Mt. Prospect Road  
Des Plaines, Illinois 60018

DIXI CHEM OF GREENVILLE, INC.  
P. O. Box 1968  
Greenville, South Carolina 29602

DIXIE CHEMICAL COMPANY  
P. O. Box 5188  
Jacksonville, Florida 32207

DIXIE-O'BRIEN CORPORATION  
P. O. Box 864  
Brunswick, Georgia 31520

DOCKTOR'S LABORATORIES, INC.  
81 Norwood Avenue  
Newtonville, Massachusetts 02160

DOLGE, C. B. COMPANY, THE  
Ferry Lane  
Westport, Connecticut 06880

DOUGLAS CHEMICAL COMPANY  
P. O. Box 297  
Liberty, Missouri 64068

DOUGLAS CHEMICAL COMPANY  
P. O. Box 6541  
Richmond, Virginia 23230

DOW CHEMICAL COMPANY, THE  
2030 Dow Center  
Midland, Michigan 48640

DRACKETT PRODUCTS COMPANY,  
THE  
5020 Spring Grove Avenue  
Cincinnati, Ohio 45232

DRAGON CHEMICAL CORPORATION  
7033 Walrond Drive  
Roanoke, Virginia 24019

DUNN, CITY OF  
P. O. Box 388  
Dunn, North Carolina 28334

du PONT de NEMOURS, E. I.  
AND COMPANY  
6054 Du Pont Building  
Wilmington, Delaware 19898

DURHAM CHEMICAL COMPANY  
P. O. Box 459  
Artesia, California 90701

DURHAM COUNTY HEALTH  
DEPARTMENT  
300 East Main Street  
Durham, North Carolina 27701

EATON, J. T. AND COMPANY, INC.  
10311 Meech Avenue  
Cleveland, Ohio 44105

EATON LABORATORIES  
5th Street and Mitchell Avenue  
Landsdale, Pennsylvania 19446

ECHO PRODUCTS  
Atlanta  
Georgia 30301

ECONOMICS LABORATORY, INC.  
Osborn Building  
St. Paul, Minnesota 55102

ECONOMY STORES, INC.  
Norfolk  
Virginia 23502

EDWARDS-COUNCILOR COMPANY,  
INC.  
121 Colley Avenue  
Norfolk, Virginia 23510

EIGHT IN ONE PET PRODUCTS, INC.  
100 Emjay Boulevard  
Brentwood, New York 11717

ELANCO PRODUCTS COMPANY  
A Division of Eli Lilly and Company  
P. O. Box 1750  
Indianapolis, Indiana 46206



ELECTROLUX DIVISION OF  
CONSOLIDATED FOOD CORPORATION  
2777 Summer Street  
Stamford, Connecticut 06905

ELROY TURPENTINE COMPANY  
P. O. Box 688  
Swainsboro, Georgia 30401

EMERY INDUSTRIES, INC.  
4300 Carew Tower  
Cincinnati, Ohio 45202

EMPIRE LABORATORIES  
1335 Chattahoochee Avenue, N. W.  
Atlanta, Georgia 30318

ENCAP PRODUCTS COMPANY  
P. O. Box 278  
Mt. Prospect, Illinois 60056

END O' RAT COMPANY, THE  
Route 1  
New Holland, Pennsylvania 17557

ENJAY CHEMICAL COMPANY  
P. O. Box 3272  
Houston, Texas 77001

ESSEX CHEMICAL CORPORATION  
145 Howard Avenue  
Bridgeport, Connecticut 06605

EVANS, G. C. PRODUCTS  
CORPORATION  
4415 West 15th Street  
Little Rock, Arkansas 72203

EXCELL CHEMICAL PRODUCTS  
COMPANY  
4901 Umbria Street  
Philadelphia, Pennsylvania 19127

FCX, INC.  
121 East Davie Street  
Raleigh, North Carolina 27602

F & W ENTERPRISES, INC.  
P. O. Box 15202  
Tampa, Florida 33618

FASEY & BESTHOFF, INC.  
143 River Road  
Edgewater, New Jersey 07020

FAIRFAX BIOLOGICAL LABORATORY  
Clinton Corners  
New York 12514

FAIRMOUNT CHEMICAL COMPANY,  
INC.  
117 Blanchard Street  
Newark, New Jersey 07105

FAR-BEST CORPORATION  
6715 McKinley Avenue  
Los Angeles, California 90001

FARM CHEMICALS, INC.  
P. O. Box 456  
Aberdeen, North Carolina 28315

FARNAM COMPANIES, INC.  
815 North Central Avenue  
P. O. Box 2151  
Phoenix, Arizona 85001

FEDERAL CHEMICAL COMPANY  
646 Starks Building  
Louisville, Kentucky 40202

FEDERAL CHEMICAL COMPANY, INC.  
2530 Winthrop Avenue  
Indianapolis, Indiana 46205

FERGUSSON, ALEX C. COMPANY  
Spring Mill Drive  
Frazer, Pennsylvania 19355

FLORIDA AGRICULTURAL SUPPLY  
COMPANY  
P. O. Box 658  
Jacksonville, Florida 32210

FONTANA PRODUCTS  
340 Durham Road  
Wake Forest, North Carolina 27587

FORSHAW CHEMICALS, INC.  
650 State Street  
P. O. Box 6055  
Charlotte, North Carolina 28208

FRANKLIN LABORATORIES, INC.  
1777 South Bellaire Street  
Denver, Colorado 80222

FRANKLIN MAINTENANCE  
PRODUCTS  
24600 South Main Street  
Wilmington, California 90744

FRENCH, R. T. COMPANY, THE  
One Mustard Street  
Rochester, New York 14609

GARDNER SUPPLY COMPANY, INC.  
P. O. Box 1556  
Statesville, North Carolina 28677

GARRATT-CALLAHAN COMPANY  
111 Rollins Road  
Millbrae, California 94030

GASTON JOHNSTON CORPORATION  
24-64 45th Street  
Long Island City, New York 11103

GEIGY AGRICULTURAL CHEMICALS  
Ardsley  
New York 10502

GEISLER PET PRODUCTS, INC.  
3902 Leavenworth Street  
Omaha, Nebraska 68105

GETEM MANUFACTURING COMPANY,  
INC.  
1261 West 42nd Street  
Norfolk, Virginia 23508

GLOVER, H. CLAY COMPANY, INC.  
1001 Franklin Avenue  
Garden City, New York 11530

GORDON CHEMICAL COMPANY, INC.  
Kansas City  
Kansas

GRACE, W. R. AND COMPANY  
P. O. Box 368  
Wilmington, N. C. 28401

GRANT LABORATORIES  
6020 Adeline Street  
Oakland, California 94608

GRANT, W. T. COMPANY  
1515 Broadway  
New York, New York 10036

GREAT LAKES BIOCHEMICAL  
COMPANY, INC.  
6120 West Douglas Avenue  
Milwaukee, Wisconsin 53218

GREAT LAKES CHEMICAL  
CORPORATION  
P. O. Box 2200  
West Lafayette, Indiana 47906

GREEN LIGHT COMPANY  
P. O. Box 16192  
San Antonio, Texas 78246

GREEN THUMB PRODUCTS  
Toledo  
Ohio 43612

GREER LABORATORIES, INC.  
P. O. Box 800  
Lenoir, North Carolina 28645

GREEVERS  
Division of Murcofton Inc.  
P. O. Box 636  
Chilhowie, Virginia 24319

GRO CHEMICAL COMPANY  
3530 N.W. 31st Street  
Miami, Florida 33142

GUARDIAN CHEMICAL COMPANY  
P. O. Box 1354  
Atlanta, Georgia 30301

GUILFORD COUNTY HEALTH  
DEPARTMENT  
300 East Northwood Street  
Greensboro, North Carolina 27401

GULF OIL CORPORATION  
Gulf Building  
Pittsburgh, Pennsylvania 15230

GUSTAFSON MANUFACTURING, INC.  
6600 South County Road 18  
Hopkins, Minnesota 55343

HALLEMITE COMPANY  
Lehn and Fink Industrial Products  
Division of Sterling Drug, Inc.  
225 Summit Avenue  
Montvale, New Jersey 07645

HANDI-CLEAN PRODUCTS, INC.  
301 Swing Road  
P. O. Box 988  
Greensboro, North Carolina 27402

HANFORD PRODUCE COMPANY  
A Division of Swift and Company  
Clarksville, Arkansas 72830

HAPPY JACK, INC.  
Box 475  
Snow Hill, North Carolina 28580

HARRIS, P. F. MANUFACTURING  
COMPANY, INC.  
101 West 8th Street  
North Little Rock, Arkansas 72114

HARRIS SERUM AND SUPPLY  
COMPANY  
P. O. Box 61  
McCook, Nebraska 69001

HARRIS-TEETER SUPER MARKETS,  
INC.  
Charlotte  
North Carolina

HARTZ MOUNTAIN PET FOODS, INC.  
700 North 4th Street  
Harrison, New Jersey 07029

HARTZ MOUNTAIN PRODUCTS  
CORPORATION  
50 Cooper Square  
New York, New York 10003

HAUSER, S. E., INC.  
High Point  
North Carolina 27261

HAVILAND PRODUCTS COMPANY  
421 Ann Street, N.W.  
Grand Rapids, Michigan 49502

HELENA CHEMICAL COMPANY —  
SOUTHEAST  
71st and SCL RR  
Tampa, Florida 33605  
P. O. Box 977  
West Columbia, South Carolina 29169

HENDRIX AND DAIL, INC.  
P. O. Box 631  
Greenville, North Carolina 27834

HERCULES, INC.  
900 Life of Georgia Tower  
Atlanta, Georgia 30308

HESS AND CLARK  
Division of Rhodia Inc.  
7th and Orange Streets  
Ashland, Ohio 44805

HILL MANUFACTURING COMPANY  
1500 Jonesboro Road, SE  
Atlanta, Georgia 30315

HILLYARD SALES COMPANY  
(EASTERN)  
302 North 4th Street  
P. O. Box 909  
St. Joseph, Missouri 64502

HOFFMAN, A. H., INC.  
P. O. Box 8  
Landisville, Pennsylvania 17538

HOKE COUNTY HEALTH CENTER  
Raeford  
North Carolina 28376

HOLCOMB, J. I. MANUFACTURING  
COMPANY  
4415 Euclid Avenue  
Cleveland, Ohio 44103

HOLLAND-RANTOS COMPANY, INC.  
865 Centennial Avenue, P. O. Box 5  
Piscataway, New Jersey 08854

HOLLINGSHEAD, R. M. CORPORATION  
16th and Mickel Streets  
Camden, New Jersey 08105

HOLLY FARMS POULTRY  
INDUSTRIES  
P. O. Box 88  
Wilkesboro, North Carolina 28697

HOLLYWOOD TERMITE CONTROL  
COMPANY  
(Now: Phostoxin Sales, Inc.)  
2221 Poplar Boulevard  
Alhambra, California 91802

HOOD CHEMICAL COMPANY  
DIVISION  
P. O. Box 368  
Greenville, South Carolina 29602



HOOKER CHEMICAL CORPORATION  
Buffalo Avenue and 47th Street  
P. O. Box 344  
Niagara Falls, New York 14302

HORIZON INDUSTRIES  
12807 Larchmere Road  
Cleveland, Ohio 44120

HOT SHOT QUALITY PRODUCTS, INC.  
701 North Main Street  
Memphis, Tennessee 38101

HOUSEHOLD PRODUCTS COMPANY  
Evanston  
Illinois

HOUSTON CHEMICAL COMPANY  
Division of PPG Industries, Inc.  
Pittsburgh, Pennsylvania 15222

HOWERTON GOWEN CHEMICALS,  
INC.  
East 11th Street, P. O. Box 247  
Roanoke Rapids, North Carolina 27870

HUB STATES CORPORATION  
2000 North Illinois Street  
Indianapolis, Indiana 46202

HUGE' COMPANY, INC., THE  
884 Hodiament Avenue  
St. Louis, Missouri 63112

HUMBLE OIL AND REFINING  
COMPANY  
P. O. Box 2180  
Houston, Texas 77001

HUMCO LABORATORY, INC.  
1008 Whitaker Street  
P. O. Box 2550  
Texarkana, Texas 75501

HUNT AND COMPANY, INC.  
1121 Willowbrook Drive  
Greensboro, North Carolina 27403

HYDROPONIC CHEMICAL COMPANY,  
INC.  
P. O. Box 4300  
Copley, Ohio 44321

ICI AMERICA INC.  
Agricultural Chemicals Division  
P. O. Box 751  
Wilmington, Delaware 19399

INDEPENDENT GROCERS ALLIANCE  
DISTRIBUTING COMPANY  
Chicago  
Illinois

INDEPENDENT NEIGHBORHOOD  
STORES, INC.  
Waynesboro  
Virginia

INDUSTRIAL FUMIGANT COMPANY  
923 State Line  
Kansas City, Missouri 64101

INSECT CONTROL SALES AND  
SERVICE  
116 South Main Street  
Candor, North Carolina 27229

INTERNATIONAL DISTRIBUTORS,  
INC.  
P. O. Box 377  
Memphis, Tennessee 38101

INTERNATIONAL MINERALS AND  
CHEMICAL CORPORATION  
IMC Plaza  
Libertyville, Illinois 60048

IRWIN-WILLERT COMPANY  
4044 Park Avenue  
St. Louis, Missouri 63110

ISOLETTE  
A Narco Medical Company  
Warminster, Pennsylvania 18974

J. AND F. MANUFACTURING  
COMPANY  
P. O. Box 26363  
Houston, Texas 77032

JET-AER CORPORATION  
100 Sixth Avenue  
Paterson, New Jersey 07524

JOHNSON NURSERIES, INC.  
Box 411  
Dexter, New York 13634

JOHNSON, S. C. AND SON, INC.  
1525 Howe Street  
Racine, Wisconsin 53403

JONES CHEMICALS, INC.  
P. O. Box 897  
Charlotte, North Carolina 28201  
100 Sunny Sol Boulevard  
Caledonia, New York 14423

JUBILEE PRODUCTS, INC.  
Cincinnati  
Ohio 45201

KAISER AGRICULTURAL CHEMICALS  
P. O. Box 246  
Savannah, Georgia 31402

KAY CHEMICAL COMPANY  
300 Swing Road  
Greensboro, North Carolina 27409

KEM MANUFACTURING  
CORPORATION  
2075 Tucker Industrial Road  
Tucker, Georgia 30084

KEMIN INDUSTRIES, INC.  
2104 Maury Street  
Des Moines, Iowa 50301

KENCO CHEMICAL AND  
MANUFACTURING COMPANY, INC.  
P. O. Box 6246  
Jacksonville, Florida 32205

KENNECOTT COPPER CORPORATION  
Special Products Division  
6065 Hillcroft  
Houston, Texas 77036

KENOVA CHEMICAL COMPANY  
4044 Park Avenue  
St. Louis, Missouri 63110

KENTUCKY BY-PRODUCTS  
CORPORATION  
2928 Garland Avenue  
Louisville, Kentucky 40211

KERR-McGEE CHEMICAL  
CORPORATION  
P. O. Box 4459  
Jacksonville, Florida 32201

Kerr-McGee Building  
Oklahoma City, Oklahoma 73102

KINDL PRODUCTS, INC.  
Box 228  
Ridgewood, New Jersey 07451

**KING CHEMICAL COMPANY**

2342 South Lauderdale  
Memphis, Tennessee 38106

**KING MANUFACTURING COMPANY**

P. O. Box 6047  
Flint, Michigan 48507

**KING RESEARCH, INC.**

114 - 12th Street  
Brooklyn, New York 11215

**KING'S VETERINARY LABORATORIES**

3628 Crenshaw Boulevard  
P. O. Box 78003  
Los Angeles, California 90016

**KLASCO PRODUCTS COMPANY, INC.**

8700 East Firestone Boulevard  
Box 629  
Downey, California 90241

**KOHNSTAMM, H. AND COMPANY, INC.**

161 Avenue of the Americas  
New York, New York 10013

**KOPPERS COMPANY, INC.**

1401 Koppers Building  
Pittsburgh, Pennsylvania 15219

**KROGER COMPANY, THE**

1240 State Avenue  
Cincinnati, Ohio 45204

**LAB AUTOMATED CHEMICALS DIVISION**

Imoco-Gateway Corporation  
Howard and West Streets  
Baltimore, Maryland 21230

**LAING CHEMICAL COMPANY, INC.**

P. O. Box 4896  
Sacramento, California 95825

**LAMBERT-KAY DIVISION OF CARTER-WALLACE INC.**

3628 Crenshaw Boulevard  
Los Angeles, California 90016

**LAWN-A-MAT CHEMICAL AND EQUIPMENT COMPANY**

153 Jefferson Avenue  
Mineola, Long Island, New York 11501

**LAWRENCE SANITARY SUPPLY**

231 Russell Street  
Fayetteville, North Carolina 28302

**LAZARUS LABORATORIES, INC.**

42-16 West Street  
Long Island City, New York 11101

**LEFFINGWELL CHEMICAL COMPANY**

Division Thompson-Hayward  
Chemical Company  
111 South Berry Street  
Brea, California 92621

**LeGEAR DIVISION OF O'NEAL, JONES AND FELDMAN, INC.**

1304 Ashby Road  
St. Louis, Missouri 63132  
4161 Beck Avenue  
St. Louis, Missouri 63116

**LEGGE, WALTER G. COMPANY, INC.**

101 Park Avenue  
New York, New York 10017

**LEHN AND FINK PRODUCTS**

Division of Sterling Drug, Inc.  
Montvale, New Jersey 07645

**LETHELIN PRODUCTS COMPANY, INC.**

15 MacQuesten Parkway, South  
Mt. Vernon, New York 10550

**LOGLIFE AQUARIUM PRODUCTS**

Division of Sternco Industries, Inc.  
600 North 4th Street  
Harrison, New Jersey 07029

**LOGLIFE FISH FOOD PRODUCTS**

Division of Sternco Industries, Inc.  
Harrison, New Jersey 07029

**LORA LABORATORIES, INC.**

2542 North Elston Avenue  
Chicago, Illinois 60647

**LOWE'S FOOD STORES**

North Wilkesboro  
North Carolina 28659

**MCCALL MANUFACTURING COMPANY, INC.**

P. O. Box 145  
Jasper, Florida 32052

**McKESSON LABORATORIES**

P. O. Box 543  
Bridgeport, Connecticut 06602

**MABEX COMPANY, THE**

Umbria and Lemonte Streets  
Philadelphia, Pennsylvania 19127

**MADISON CHEMICAL**

11250 West Addison Street  
Franklin Park, Illinois 60131

**MAGIC AMERICAN CHEMICAL CORPORATION**

23700 Mercantile Road  
Cleveland, Ohio 44122

**MAINTENANCE SUPPLY COMPANY, INC.**

P. O. Box 498  
Huntersville, North Carolina 28078

**MAINTENANCE SUPPLY SERVICE CORPORATION**

P. O. Box 498  
Huntersville, North Carolina 28078

**MALLINCKRODT CHEMICAL WORKS**

P. O. Box 5439  
St. Louis, Missouri 63160

**MARK CHEMICAL COMPANY**

190 North Cypress Street  
Orange, California 92666

**MARTIN, C. J. COMPANY**

606 West Main, P. O. Box 1089  
Nacogdoches, Texas 75961

**MASONITE CORPORATION**

29 North Wacker Drive  
Chicago, Illinois 60606

**MASTER PRODUCTS COMPANY**

Box 531  
Fayetteville, North Carolina 28302

**MASTER SPECIALTY COMPANY**

445 West Nixon Street  
Savage, Minnesota 55378

**MASURY-COLUMBIA COMPANY**

188 Industrial Drive  
Elmhurst, Illinois 60126



MEDICAL SUPPLY COMPANY  
1027 West State Street  
Rockford, Illinois 61101

MEHERRIN AGRICULTURAL AND  
CHEMICAL COMPANY  
P. O. Box 58  
Severn, North Carolina 27877

MERCHANTS DISTRIBUTING, INC.  
Hickory  
North Carolina 28601

MERCK AND COMPANY, INC.  
Rahway  
New Jersey 07065

MEREDITH SWIMMING POOL  
COMPANY  
116 Stagecoach Trail  
Greensboro, North Carolina 27409

MIDLAND LABORATORIES, INC.  
210-220 Jones Street  
Dubuque, Iowa 52001

MIKE, INC.  
Newland  
North Carolina 28657

MILLER CHEMICAL AND FERTILIZER  
CORPORATION  
P. O. Box 333  
Hanover, Pennsylvania 17331

MILLER-MORTON COMPANY  
1211 Sherwood Avenue  
Richmond, Virginia 23220

MILLS-PEARSON CORPORATION  
(Now: Chemical Processors, Inc.)  
Dianol Division  
P. O. Box 10968, 7290 61st Street, North  
St. Petersburg, Florida 33733

MINERAL RESEARCH AND  
DEVELOPMENT CORPORATION  
1409 East Boulevard  
Charlotte, North Carolina 28203

MISTAMATIC CORPORATION  
534 Merrick Road  
Lynbrook, New York 11563

MOBIL CHEMICAL COMPANY  
Industrial Chemicals Division  
P. O. Box 677  
Richmond, Virginia 23206

MOMAR, INC.  
1830 Ellsworth Industrial Drive, N.W.  
Atlanta, Georgia 30318

MONSANTO COMPANY  
800 North Lindbergh Boulevard  
St. Louis, Missouri 63166

MOORMAN MANUFACTURING  
COMPANY  
Quincy  
Illinois 62301

MORTON SALT COMPANY  
110 North Wacker Drive  
Chicago, Illinois 60606

MOTOMCO, INC.  
89 Terminal Avenue  
Clark, New Jersey 07066

MULTI-CLEAN PRODUCTS  
2277 Ford Parkway  
St. Paul, Minnesota 55116

MURD COMPANY  
2322 North American Street  
Philadelphia, Pennsylvania 19133

MUTUAL PRODUCTS COMPANY  
509 North 4th Street  
Minneapolis, Minnesota 55401

NATIONAL CHEMSEARCH  
CORPORATION  
P. O. Box 217 - 2730 Carl Road  
Irving, Texas 75060

NATIONAL LABORATORIES  
Lehn and Fink Industrial Products  
Division of Sterling Drugs, Inc.  
225 Summit Avenue  
Montvale, New Jersey 07645

NATIONAL MOLASSES COMPANY  
Super-Mol Division  
Route 3, Box 498  
Tampa, Florida 33619

NATIONAL SOLVENT CORPORATION  
955 West Smith Road  
Medina, Ohio 44256

NATIONWIDE CHEMICAL  
CORPORATION  
P. O. Box 775  
Fort Myers, Florida 33902

NIAGARA CHEMICAL DIVISION  
FMC Corporation  
Suite 737, 6065 Roswell N.E.  
Atlanta, Georgia 30328

NIP-CO MANUFACTURING, INC.  
Hilo Products Division  
276 Fair Street  
Kingston, New York 12401

NIPPON SODA COMPANY, LTD.  
Tokyo  
Japan

NOK-OUT-BAM CHEMICAL COMPANY,  
INC.  
P. O. Box 466  
Edgefield, South Carolina 29824

NOR-AM AGRICULTURAL PRODUCTS,  
INC.  
20 North Wacker Drive  
Chicago, Illinois 60606

NORCLIFF LABORATORIES, INC.  
P. O. Box 471  
Fairfield, Connecticut 06430

NORTH STATE SUPPLY, INC.  
1024 North Liberty Street  
Winston-Salem, North Carolina 27102

NOTT MANUFACTURING COMPANY,  
INC.  
Pleasant View Road  
Pleasant Valley, New York 12569

NUTRILITE PRODUCTS, INC.  
5600 Beach Boulevard  
Buena Park, California 90620

OAKWOOD MEDICAL CENTER, INC.  
Drawer T  
Greenville, South Carolina 29610

OCCIDENTAL CHEMICAL COMPANY  
A Division of Occidental Petroleum  
Corporation  
P. O. Box 1185  
Houston, Texas 77001

## ODORCON SANITATION SERVICE

Greensboro  
North Carolina 27402

## OLD 97 COMPANY

2306 35th Street  
Tampa, Florida 33605

## OLIN CORPORATION

120 Long Ridge Road  
Stamford, Connecticut 06904

1120 Marshall Street  
Little Rock, Arkansas 72203

## ONE TIME PACKAGE PRODUCTS, INC.

100 Hicks Street  
Bridgeport, Connecticut 06609

## ORKIN EXTERMINATING COMPANY, INC.

2170 Piedmont Road, N.E.  
Atlanta, Georgia 30060

OSMOSE WOOD PRESERVING  
COMPANY OF AMERICA, INC.

980 Ellicott Street  
Buffalo, New York 14209

## OXFORD CHEMICALS

5001 Peachtree Ind. Boulevard  
Atlanta, Georgia 30341

## PBI-GORDON CORPORATION

300 South Third Street  
Kansas City, Kansas 66118

## PPG INDUSTRIES, INC.

One Gateway Center  
Pittsburgh, Pennsylvania 15222

## PAPER PRODUCTS, INC.

P. O. Box 5158  
Long Beach, California 90805

## PARKE, DAVIS AND COMPANY

P. O. Box 118  
Detroit, Michigan 48232

## PARRAMORE AND GRIFFIN

## COMPANY, INC.

P. O. Box 138  
Valdosta, Georgia 31601

## PAXTON ENTERPRISES

P. O. Drawer A  
Palacios, Texas 77465

## PEARSON AND COMPANY

P. O. Box 7151  
Mobile, Alabama 36607

## PECK'S PRODUCTS COMPANY

610 East Clarence Avenue  
St. Louis, Missouri 63147

## PEELE, W. R. COMPANY, INC.

Clayton  
North Carolina 27520

## PENGUIN DOWN COMPANY

Box 645  
Corona, California 91720

## PENICK, S. B. AND COMPANY

100 Church Street  
New York, New York 10007

## PENNSYLVANIA REFINING COMPANY

P. O. Box 671  
Butler, Pennsylvania 16001

## PENNSALT CHEMICALS

CORPORATION  
Philadelphia  
Pennsylvania 19102

## PENNWALT CORPORATION

Three Parkway  
Philadelphia, Pennsylvania 19102

## PENNWALT CORPORATION

Agchem-Decco Division  
2901 Taylor Way  
Tacoma, Washington 98401

## PET CHEMICALS, INC.

7781 N. W. 73rd Court  
Miami Springs, Florida 33166

## PET-M LABORATORIES, INC.

520 Pennsylvania Avenue  
Fort Washington, Pennsylvania 19034

## PFIZER INC.

235 East 42nd Street  
New York, New York 10017

PHELPS DODGE REFINING  
CORPORATION

300 Park Avenue  
New York, New York 10022

## PHILIPS ROXANE INC.

2621 North Belt Highway  
St. Joseph, Missouri 64502

## PHOSTOXIN SALES, INC.

2221 Poplar Boulevard, Box 469  
Alhambra, California 91802

## PIGGLY WIGGLY CORPORATION

Jacksonville  
Florida 32202

## PIGGLY WIGGLY WHOLESALE, INC.

Charleston  
South Carolina 29400

## PILLSBURY COMPANY, THE

603 Second Avenue South  
Minneapolis, Minnesota 55402

311 Second Street, S.E.  
Minneapolis, Minnesota 55414

## PINE-O-PINE COMPANY

523 West 22nd Street  
P. O. Box 7477  
Houston, Texas 77008

PIONEER MANUFACTURING  
COMPANY, THE

3053 East 87th Street  
Cleveland, Ohio 44104

## PLANT PRODUCTS CORPORATION

Kennedy Avenue  
Blue Point, Long Island, New York 11715

## PLEE-ZING, INC.

Evanston  
Illinois 60201

## PLOUGH, INC.

3030 Jackson Avenue  
Memphis, Tennessee 38101

## POPLIN CHEMICAL COMPANY

Route 1, Box 426  
Statesville, North Carolina 28677

PRATER, E. H. WHOLESALE  
COMPANY

Route 3  
Seneca, South Carolina 29678



PREMAX LABORATORIES, INC.  
Suite 907 Fox Plaza  
San Francisco, California 94102

PRENTISS DRUG AND CHEMICAL  
COMPANY, INC.  
363 7th Avenue  
New York, New York 10001

PROCTER AND GAMBLE  
COMPANY, THE  
P. O. Box 599  
Cincinnati, Ohio 45201

PROGRESS CHEMICAL COMPANY,  
INC.  
P. O. Box 388, Railroad Street  
Canton, Georgia 30114

PROPERTY CHEMICAL PRODUCTS  
11250 West Addison Street  
Franklin Park, Illinois 60131

PURDY, N. B. PRODUCTS COMPANY  
Box 304  
Wauconda, Illinois 60084

PUREPAC CORPORATION  
200 Elmora Avenue  
Elizabeth, New Jersey 07207

PUREX CORPORATION, LTD.  
24600 South Main Street  
Wilmington, California 90744

PURITAN CHEMICAL COMPANY  
916 Ashby Street, N.W.  
Atlanta, Georgia 30318

QUIPU CORPORATION  
P. O. Box 4599  
Columbia, South Carolina 29240

RALSTON PURINA COMPANY  
Checkerboard Square  
St. Louis, Missouri 63188

RAWLEIGH, W. T. COMPANY, THE  
223-225 East Main Street  
Freeport, Illinois 61032

REARDON, W. G. LABORATORIES,  
INC.  
Port Chester  
New York 10573

RED AND WHITE DISTRIBUTORS,  
INC.  
Chicago  
Illinois 60600

RED AND WHITE INTERNATIONAL  
A Division of Federated Foods, Inc.  
Chicago, Illinois 60680

REDBUD PRODUCTS COMPANY, INC.  
P. O. Box 1056  
Anderson, Indiana 46015

RED TOP, INC.  
P. O. Box 22003  
Denver, Colorado 80222

REEFER-GALLER, INC.  
105 Hudson Street  
Jersey City, New Jersey 07302

RELANCE CHEMICAL CORPORATION  
P. O. Box 3327  
Charlottesville, Virginia 22903

RENUZIT HOME PRODUCTS  
COMPANY  
Philadelphia  
Pennsylvania 19104

REXALL DRUG COMPANY  
3901 North Kingshighway Boulevard  
St. Louis, Missouri 63115

RHODIA, INC.  
Chipman Division  
120 Jersey Avenue, P. O. Box 2009  
New Brunswick, New Jersey 08903

RICHMOND FOOD STORES, INC.  
Richmond  
Virginia 23211

RICH'S SUPER MARKETS  
Box 9030 Briarfield Station  
Hampton, Virginia 23361

RIGO CHEMICAL COMPANY  
P. O. Box 1188  
Nashville, Tennessee 37202

RINGER, JUDD CORPORATION  
6860 Flying Cloud Drive  
Eden Prairie, Minnesota 55343

ROBERTS LABORATORIES  
4995 North Main Street  
Rockford, Illinois 61101

ROCHESTER GERMICIDE COMPANY  
P. O. Box 1515  
Rochester, New York 14603

ROEBIC LABORATORIES, INC.  
48 Giles Avenue  
North Haven, Connecticut 06473

ROHM AND HAAS COMPANY  
Independence Mall West  
Philadelphia, Pennsylvania 19105

ROOTO CORPORATION, THE  
33094 West 8 Mile Road  
Farmington, Michigan 48024

ROSS DANIELS, INC.  
P. O. Box 430, 1720 Fuller Road  
West Des Moines, Iowa 50265

ROYAL CHEMICAL COMPANY, INC.  
P. O. Box 922  
Albemarle, North Carolina 28001

RUDY-PATRICK COMPANY, THE  
P. O. Box 404  
Princeton, Illinois 61356

RUSSELL COMPANY, THE  
3811 Marine Avenue  
St. Louis, Missouri 63118

RUST-OLEUM CORPORATION  
2301 Oakton Street  
Evanston, Illinois 60204

SABINE CHEMICAL COMPANY, INC.  
P. O. Box 1206  
Port Arthur, Texas 77640

SANFAX CHEMICALS  
P. O. Box 80422  
Atlanta, Georgia 30341

SAV-MOR FOODS  
Warsaw  
North Carolina 28398

## SAVOGRAN COMPANY

P. O. Box 130 - 259 Lenox Street  
Norwood, Massachusetts 02062

## SCHWARTZ CHEMICAL COMPANY, INC.

1041 Seminole Boulevard  
Casselberry, Florida 32707

## SCIENCE PRODUCTS COMPANY, INC.

2640 North Greenview Avenue  
Chicago, Illinois 60614

## SCOTLAND COUNTY HEALTH DEPARTMENT

P. O. Box 72  
Laurinburg, North Carolina 28352

## SCOTT, O. M. AND SONS COMPANY

Marysville  
Ohio 43040

## SEACOAST LABORATORIES, INC.

257 Highway 18  
East Brunswick, New Jersey 08816

## SEARS, ROEBUCK AND COMPANY

925 South Homan Avenue  
Departments 671 and 733B  
Chicago, Illinois 60607

## SELIG CHEMICAL INDUSTRIES, THE

840 Selig Drive, P. O. Box 43106  
Atlanta, Georgia 30336

## SENORET CHEMICAL COMPANY, INC.

631 Leffingwell Avenue  
St. Louis, Missouri 63122

## SERVICEMASTER EQUIPMENT AND MATERIALS COMPANY

1210 Commercial Avenue  
Cairo, Illinois 62914

## SEXTON, JOHN AND COMPANY

1800 Churchman Avenue  
Indianapolis, Indiana 46203

## SHELL CHEMICAL COMPANY

2401 Crow Canyon Road  
San Ramon, California 94583

## SHELL OIL COMPANY

One Shell Plaza, P. O. Box 2463  
Houston, Texas 77001

## SHEPARD CHEMICAL WORKS, INC.

P. O. Box 473  
Wilmington, North Carolina 28401

## SHERWIN WILLIAMS CHEMICALS

Division of The Sherwin-Williams Co.  
P. O. Box 6520  
Cleveland, Ohio 44101

## SIMONIZ COMPANY

A Division of Morton International, Inc.  
Chicago, Illinois 60606

## SINGLETARY AND COMPANY, INC.

143 South Washington Street  
Rocky Mount, North Carolina 27801

## SIVERO ENTERPRISES, INC.

P. O. Box 155  
Dolton, Illinois 60419

## SMITH-DOUGLASS

Division of Borden Chemical,  
Borden, Inc.  
P. O. Box 419  
Norfolk, Virginia 23501

## SMITH, WILLIAM E.

Highway 64  
Wendell, North Carolina 27591

## SMO-CLOUD COMPANY

Division of Continental Chemiste  
Corporation  
2256 West Ogden Avenue  
Chicago, Illinois 60612

## SOLARINE COMPANY, THE

225 North Calvert Street  
Baltimore, Maryland 21202

## SOUTHCHEM, INC.

750 East Markham Avenue  
Durham, North Carolina 27702

## SOUTHERN AGRICULTURAL CHEMICALS, INC.

P. O. Drawer 527  
Kingstree, South Carolina 29556

## SOUTHERN AGRICULTURAL INSECTICIDES, INC.

P. O. Box 218  
Palmetto, Florida 33561

## SOUTHERN CHEMICAL PRODUCTS COMPANY

430 Lower Boundary, P. O. Box 205  
Macon, Georgia 31202

## SOUTHERN MILL CREEK PRODUCTS COMPANY, INC.

5414 North 56th Street, P. O. Box 1096  
Tampa, Florida 33601

## SOUTHERN NATIONAL

MANUFACTURING COMPANY  
Hollister  
Missouri 65672

## SOUTHERN TESTING AND RESEARCH LABS, INC.

607 Park Avenue  
Wilson, North Carolina 27893

## SPARTAN CHEMICAL COMPANY, INC.

110 North Westwood Avenue  
Toledo, Ohio 43607

## SPARTAN GRAIN AND MILL COMPANY

P. O. Box 5687  
Spartanburg, South Carolina 29301

## SPINDLE CITY CHEMICAL COMPANY

P. O. Box 444-526 East Charlotte Avenue  
Sumter, South Carolina 29150

## SPRAYWAY, INC.

7644 South Vincennes Avenue  
Chicago, Illinois 60620

## SQUIBB, E. R. AND SONS, INC.

P. O. Box 4000  
Princeton, New Jersey 08540

## STALEY, A. E. MANUFACTURING COMPANY

2200 East Eldorado Street  
Decatur, Illinois 62525

## STANDARD NAPHTHALENE PRODUCTS COMPANY, INC.

1035 Belleville Turnpike  
Kearny, New Jersey 07032

## STANDARD SPRAY AND CHEMICAL COMPANY

1405 West Olive Street  
P. O. Box 63  
Lakeland, Florida 33802



STANLEY HOME PRODUCTS, INC.  
333 Western Avenue  
Westfield, Massachusetts 01085

STARBAR, INC.  
A Thuron Company  
12200 Denton Drive  
Dallas, Texas 75234

STARK BRO'S NURSERIES AND  
ORCHARDS COMPANY  
Louisiana, Missouri 63353

STAUFFER CHEMICAL COMPANY  
2009 Orient Road, P. O. Box 5388  
Tampa, Florida 33605  
1200 South 47th Street  
Richmond, California 94804

STEARNS' ELECTRIC PASTE  
COMPANY  
220 South State Street  
Chicago, Illinois 60604

STEPHENSON CHEMICAL COMPANY,  
INC.  
2444 West Point Road, Box 87188  
College Park, Georgia 30337

STERLING COMPANY, INC., THE  
2801-05 Locust Street  
St. Louis, Missouri 63103

STERLING DRUG, INC.  
90 Park Avenue  
New York, New York 10016

STIM-U-PLANT LABORATORIES, INC.  
2077 Parkwood Avenue  
Columbus, Ohio 43219

SUN POOL CHEMICALS  
35750 Industrial Road  
Livonia, Michigan 48150

SUPERIOR FERTILIZER AND  
CHEMICAL COMPANY  
P. O. Box 1021, 4701 East Broadway  
Tampa, Florida 33601

SWEENEY, W. R. MANUFACTURER,  
INC.  
340 South Main  
Salisbury, Missouri 65281

SWIFT AGRICULTURAL CHEMICALS  
CORPORATION  
301 West Tremont Avenue  
Charlotte, North Carolina 28203

SYNCHRO-MIST CONTROLS INC.  
270 Madison Avenue  
New York, New York 10016

TNT CHEMICALS, INC.  
7301 N. W. 77th Street  
Miami, Florida 33166

TENNECO CHEMICALS, INC.  
Nuodex Division  
P. O. Box 2  
Piscataway, New Jersey 08854

TESCO CHEMICALS, INC.  
445 Bishop Street, N.W.  
Atlanta, Georgia 30318

TEXACO, INC.  
135 East 42nd Street  
New York, New York 10017

TEXAS REFINERY CORPORATION  
P. O. Box 711  
Fort Worth, Texas 76101

TEXIZE CHEMICALS, INC.  
P. O. Box 368  
Greenville, South Carolina 29602

THOMPSON-HAYWARD CHEMICAL  
COMPANY  
5200 Speaker Road  
Kansas City, Kansas 66106

3M COMPANY  
Central Research Laboratories  
P. O. Box 33221  
St. Paul, Minnesota 55133

THURON INDUSTRIES, INC.  
12200 Denton Drive  
Dallas, Texas 75234

TIME-MIST, INC.  
135 South Main Street  
Thomaston, Connecticut 06787

TRANSVAAL, INC.  
P. O. Box 69  
Jacksonville, Arkansas 72076

TRIANGLE CHEMICAL COMPANY  
206 Lower Elm Street  
P. O. Box 4528  
Macon, Georgia 31208

TURCO PRODUCTS, INC.  
24600 South Main Street  
Wilmington, California 90744

TURNER SALES AND SUPPLY, INC.  
3rd and Railroad, P. O. Box 847  
Tifton, Georgia 31794

USS AGRI-CHEMICALS  
P. O. Box 1380  
Wilmington, North Carolina 28401

UNICHEM INC.  
Box 1565  
Greenville, North Carolina 27834

UNION CARBIDE CORPORATION  
270 Park Avenue  
New York, New York 10017

UNION CARBIDE CORPORATION  
Consumer Products Division  
Tarrytown Technical Center  
Tarrytown, New York 10591

UNIROYAL CHEMICAL  
Division of Uniroyal, Inc.  
Amity Road  
Bethany, Connecticut 06525

UNITED CO-OPERATIVES, INC.  
(Now: Universal Cooperatives, Inc.)  
111 Glamorgan Street  
Alliance, Ohio, 44601

UNITED LABORATORIES, INC.  
155 South Route 53  
Addison, Illinois 60101

U. S. PLYWOOD  
Division of U. S. Plywood-Champion  
Papers, Inc.  
2305 Superior Avenue  
Kalamazoo, Michigan 49003

U. S. PROFESSIONAL LABORATORIES  
Lehn and Fink Industrial Products  
Division of Sterling Drug, Inc.  
Montvale, New Jersey 07645

UNITED STATES BORAX AND  
CHEMICAL CORPORATION  
3075 Wilshire Boulevard  
Los Angeles, California 90010

UNIVERSAL COOPERATIVES, INC.  
111 Glamorgan Street  
Alliance, Ohio 44601

UNIVERSAL MILKING MACHINES  
First Avenue at College  
Albert Lea, Minnesota 56007

UPJOHN COMPANY, THE  
7171 Portage Road  
Kalamazoo, Michigan 49001

VANDERBILT, R. T. COMPANY, INC.  
230 Park Avenue  
New York, New York 10017

VAPORETTE CHEMICAL  
CORPORATION  
A Zoecon-Thuron Company  
12200 Denton Drive  
Dallas, Texas 75234

VARLEY, JAMES AND SONS, INC.  
1200 Switzer Avenue  
St. Louis, Missouri 63147

VARNELLS PEST CONTROL SERVICE  
223 Avent Circle  
Rocky Mount, North Carolina 27801

VELSICOL CHEMICAL CORPORATION  
1725 K Street, N.W.  
Washington, D. C. 20006

VESTAL LABORATORIES  
Division of Chemed Corporation  
4963 Manchester Avenue  
St. Louis, Missouri 63110

VET-KEM LABORATORIES  
A Zoecon-Thuron Company  
12200 Denton Drive  
Dallas, Texas 75234

VIKON CHEMICAL COMPANY, INC.  
Box 277  
Elon College, North Carolina 27244

VINELAND CHEMICAL COMPANY  
West Wheat Road  
P. O. Box 745  
Vineland, New Jersey 08360

VINELAND LABORATORIES, INC.  
2285 East Landis Avenue  
Vineland, New Jersey 08360

VINELAND POULTRY LABORATORIES  
2285 East Landis Avenue  
Vineland, New Jersey 08360

VIRGINIA CHEMICALS, INC.  
3340 West Norfolk Road  
Portsmouth, Virginia 23703

VIT-A-WAY, INC.  
Box 4369  
Ft. Worth, Texas 76106

VOLUNTARY PURCHASING GROUPS,  
INC.  
P. O. Box 460  
Bonham, Texas 75418

VULCAN MATERIALS COMPANY  
Chemicals Division  
6200 South Ridge Road, Box 545  
Wichita, Kansas 67201

WAKE COUNTY HEALTH  
DEPARTMENT  
P. O. Box 949  
Raleigh, North Carolina 27602

WALCO-LINCK CORPORATION  
O. E. Linck Division  
Routes 3 and 46  
Clifton, New Jersey 07015

WALCO-LINCK CORPORATION  
Rotenone Products Company Division  
1234 State Highway 46  
Clifton, New Jersey 07015

WALGREEN LABORATORIES, INC.  
4240 West Peterson Avenue  
Chicago, Illinois 60646

WALLACE CHEMICAL COMPANY  
Division of Purex Corporation, Ltd.  
5301 East Hanna Avenue  
Tampa, Florida 33610

WALLERSTEIN COMPANY  
Division of Travenol Laboratories, Inc.  
200 Wilnot Road  
Deerfield, Illinois 60015

WATERLOX CHEMICAL AND  
COATINGS CORPORATION  
9808 Meech Avenue  
Cleveland, Ohio 44105

WATKINS PRODUCTS, INC.  
150 Liberty Street  
Winona, Minnesota 55987

WAYNE COUNTY HEALTH  
DEPARTMENT  
South William Street  
P. O. Box 1537  
Goldsboro, North Carolina 27530

WEEVIL-CIDE COMPANY, THE  
411 North 7th - Box 1057  
Salina, Kansas 67401

WEST CHEMICAL PRODUCTS, INC.  
42-16 West Street  
Long Island City, New York 11101

WESTCHESTER VETERINARY  
PRODUCTS  
Division of Combe Chemical, Inc.  
180 Mamaroneck Avenue  
White Plains, New York 10601

WESTERN AUTO SUPPLY COMPANY  
Kansas City  
Missouri 64100

WHITMIRE RESEARCH  
LABORATORIES, INC.  
3568 Tree Court Industrial Boulevard  
St. Louis, Missouri 63122

WHITMOYER LABORATORIES, INC.  
19 North Railroad Street  
Myerstown, Pennsylvania 17067

WHOLESALE GROCERS EXCHANGE,  
INC.  
4 North Fourth Street  
Richmond, Virginia 23219

WILBERT PRODUCTS COMPANY, INC.  
805 East 139th Street  
New York, New York 10454

WILMAR, INC.  
224 Foster Avenue, P. O. Box 3111  
Charlotte, North Carolina 28203



**WILSON CHEMICAL DISTRIBUTING  
COMPANY**

Lodge and Spruce Streets  
Wilson, North Carolina 27893

**WILSON PEST CONTROL COMPANY,  
INC.**

401 West End Boulevard  
P. O. Box 1398  
Winston-Salem, North Carolina 27102

**WINN CHEMICAL COMPANY**

Route 4, Box 102  
Mt. Airy, North Carolina 27030

**WINRU CHEMICAL AND SALES  
COMPANY**

923 State Line  
Kansas City, Missouri 64101

**WINTHROP LABORATORIES**

Division of Sterling Drug Inc.  
New York, New York 10016

**WIX CORPORATION**

P. O. Box 1967  
Gastonia, North Carolina 28052

**WOOD TREATING CHEMICALS  
COMPANY**

5137 Southwest Avenue  
St. Louis, Missouri 63110

**WOODLETS, INC.**

90 Chenango Street  
Buffalo, New York 14213

**WOOLFOLK CHEMICAL WORKS, LTD.**

P. O. Box 938  
Fort Valley, Georgia 31030

**WOOLWORTH, F. W. COMPANY**

233 Broadway  
New York, New York 10007

**WYANDOTTE CHEMICALS  
CORPORATION**

1609 Biddle Avenue  
Wyandotte, Michigan 48192

**WYETH LABORATORIES**

Division of American Home Products  
Corporation  
P. O. Box 831  
Paoli, Pennsylvania 19301

**YALE CHEMICAL COMPANY**

Box 715  
Nashville, Tennessee 37202

**YOUNG, W. F., INC.**

111 Lyman Street  
Springfield, Massachusetts 01101

**ZEP MANUFACTURING COMPANY**

P. O. Box 2015  
Atlanta, Georgia 30301

**ZODIAC PET PRODUCTS**

A Zoecon-Thuron Company  
12200 Denton Drive  
Dallas, Texas 75234

## Licensees Under N. C. Aerial Crop-Dusting Law for 1972

This list gives the names of firms or individuals who registered with the North Carolina Department of Agriculture and were issued licenses as Contractors, Applicators, or both, for the year 1972. Each type of license is indicated in connection with the respective name of individual or firm as given in the list.

All licenses expired December 31, 1972 or earlier according to expiration of insurance coverage and are subject to renewal for operations in 1973.

### MICHAEL ALBAUGH

Air-Ag, Inc.  
Box 34  
Elbert, Colorado 80106  
c/o Air-Ag, Inc.  
Rocky Mount Airport  
Rocky Mount, N. C. 80106  
Applicator

### JIMMY AUSTIN ALLARD

Baggett Dusting Service  
506 Barker  
Wichita Falls, Texas  
Route #1  
Scotland Neck, N. C. 27874  
Applicator

### WILLIAM H. BAGGETT

Baggett Dusting Service  
603 South 22nd Street  
Fort Pierce, Florida 33450  
P. O. Box 361  
Scotland Neck, N. C. 27874  
Contractor and Applicator

### LLOYD H. BARNWELL

Barnwell Flying Service  
826 N. Daughtry Street  
Douglas, Georgia 31533  
P. O. Box 303  
Wakefield, Virginia 23888  
Contractor and Applicator

### MARK STEPHEN BAXLEY

Baxley Flying Service  
330 Moser Street  
Graham, N. C. 27253  
Halifax Flying Service  
Roanoke Rapids, N. C. 27870  
Contractor and Applicator

### C. RONNIE BEALE

Beale Flying Service, Inc.  
Route #3, Box 182½  
Nathalie, Virginia 24577

### F. K. BIGGS, JR.

K. M. Biggs, Inc.  
P. O. Box 671  
Lumberton, N. C. 28358  
Contractor

### WADE R. BRABBE

Terra Ceia Aviation, Inc.  
107 Hampton Drive  
Plymouth, N. C. 27962  
Applicator

### HAROLD RUFUS BRADY

Wood Spraying Service  
410 Edinborough  
Raeford, N. C. 28376  
Applicator

### WALTER H. BROTHERS

Brothers Air Sprayers  
Route #1, Box 367  
Aurora, N. C. 27806  
Contractor and Applicator

### L. ODELL BURTON

Agricultural Flying Service, Inc.  
Route #2, Highland Village  
Laurinburg, N. C. 28352  
Applicator

### PEDRO A. CELIN

Air-Ag, Inc.  
511 Morningside Drive  
Miami Springs, Florida 33166  
Box 28, Griffin Trailer Park  
Rocky Mount, N. C. 27801  
Applicator

### JIM CRAFT

Craft Spraying, Inc.  
Box 172  
Farmville, N. C. 27828  
Contractor

### GERALD J. CURRY

Craft Spraying, Inc.  
73 Parkside Avenue  
Braintree, Massachusetts 02184  
266 West Church Street  
Laurinburg, N. C. 28352  
Applicator

### BUDD C. DARLING

Maverick Helicopters, Inc.  
P. O. Box 77  
Bennettsville, S. C. 29512  
P. O. Box 282  
Morven, N. C. 28119  
Contractor and Applicator

### GLENN JONES DAVIS

Bob's Inc.  
Route #2  
Creedmoor, N. C. 27522  
Applicator

### JOHN J. DOWD, JR.

Josey Farm Service Center  
P. O. Box 125  
Warwick, N. Y. 10990  
during season  
Burgaw, N. C. 28425  
Applicator

### JAMES EDWIN ELLIS

Ellis Flying Service  
P. O. Box 351  
Shelby, N. C. 28150  
Contractor and Applicator

### E. HERVEY EVANS, JR.

Agricultural Flying Service, Inc.  
P. O. Box 706  
Laurinburg, N. C. 28352  
Contractor



GEORGE C. FELL  
Air-Ag, Inc.  
RFD #3, Box P-19  
Tarboro, N. C. 27886  
c/o Air-Ag, Inc.  
Rocky Mount Municipal Airport  
Rocky Mount, N. C. 27801  
Applicator

GORDON L. FUTCH  
Josey Farm Service Center  
P. O. Box 221  
Burgaw, N. C. 28425  
Contractor

RODNEY GODLEY  
Bayview Flying Service  
Route #1  
Bath, N. C. 27808  
Contractor

RAYMOND A. GODWIN, JR.  
Godwin's Sprayers, Inc.  
Route #5  
Dunn, N. C. 28334  
Contractor and Applicator

LYNN WILSON GREENE  
Farm Chemicals, Inc.  
Box 31  
Raeford, N. C. 28376  
Applicator

SHERMAN W. HANKE  
Hanke's Spray Service  
Box 29  
Summerfield, Florida 32691  
Box 422  
Cilo, S. C. 29525  
Contractor and Applicator

PAUL HARRIS  
H & H Dusting Service  
P. O. Box 343  
Scotland Neck, N. C. 27874  
Contractor and Applicator

GENE L. HICKMAN  
Hickman Flying Service, Inc.  
Route #1, Box 623  
Bladenboro, N. C. 28320  
Lumberton Airport  
Lumberton, N. C. 28358  
Contractor and Applicator

RONALD B. HINES  
Farmers' Air Service  
Route #1, Box 179-B  
Edenton, N. C. 27932  
Contractor and Applicator

MARION REID HOWARD  
H & H Dusting Service  
P. O. Box 582  
Enfield, N. C. 27823  
Applicator

OLIVER WILTON HOLMES, JR.  
Bob's, Inc.  
109 Bennett Court  
Durham, N. C. 27701  
Halifax County Airport  
Roanoke Rapids, N. C. 27870  
Applicator

J. EDWARD HOWELL, JR.  
Aerial Agri-Service  
Route #3, Box 121  
Franklin, Virginia 23851  
Contractor

JAMES ELBERT HUBBARD  
Craft Spraying, Inc.  
Box 166  
Waco, Nebraska 68460  
c/o Craft Steel  
Farmville, N. C. 27828  
Applicator

GARDNER C. HUDSON  
Hudson's Air Service, Inc.  
Route #3, Box 476  
Elizabeth City, N. C. 27909  
Contractor and Applicator

L. S. JERNIGAN, JR.  
Jernigan Spray Service, Inc.  
P. O. Box 488  
Ahoskie, N. C. 27910  
Contractor

J. T. KEECH  
Terra Ceia Aviation, Inc.  
Route #2  
Pantego, N. C. 27860  
Contractor

ROBERT M. KEENAN  
2604 Hickory Avenue  
Burlington, N. C. 27215  
Contractor and Applicator

RICHARD C. KERSHMAN  
Bayview Flying Service  
118 S. Jefferson  
Terryton, Texas 79070  
400 E. 3rd, Apt. 15  
Washington, N. C. 27889  
Applicator

R. E. KING  
Southern Crop Dusters, Inc.  
P. O. Box "S"  
Delray Beach, Florida 33444  
c/o S. M. Jones Produce  
Bayboro, N. C. 28515  
Contractor

FRANK KURZINSKI  
Craft Spraying, Inc.  
Mobilehome Estates  
Route #3  
Laurinburg, N. C. 28352  
Applicator

THEODORE C. KUTSCHERA  
Air-Ag, Inc.  
RFD #2  
Callicoon, N. Y. 12723  
c/o Air-Ag, Inc.  
Rocky Mount Airport  
Rocky Mount, N. C. 27801  
Applicator

SAMUEL ROBERT LATHAN, JR.  
Aerial Agri-Service  
Route #3, Box 122  
Franklin, Virginia 23851  
Applicator

PAUL E. LEONARD  
Southern Crop Dusters, Inc.  
5841 NE 20th Terrace  
Ft. Lauderdale, Florida 33308  
c/o S. M. Jones Produce  
Bayboro, N. C. 28515  
Applicator

JOHN E. LILEY  
Terra Ceia Aviation, Inc.  
Route #1, Box 253-A  
Jamesville, N. C. 27846  
Applicator

**FRANCISCO LLANO**

Baggett Dusting Service  
1900 S.W. 33rd Avenue  
Miami, Florida 33143  
1315 Main Street  
Scotland Neck, N. C. 27874  
Applicator

**ROBERT DUAINÉ LOTT**

Barnwell Flying Service  
Box 286  
Broxton, Georgia 31519  
Box 303  
Wakefield, Virginia 23888  
Applicator

**ARCHIBALD M. McLEAN**

McLean Aerial Applicators, Inc.  
Route #1  
Wagram, N. C. 28396  
Contractor

**JOHN M. McLEAN**

McLean Aerial Applicators, Inc.  
Route #1  
Wagram, N. C. 28396  
Contractor and Applicator

**RICHARD E. McMILLIAN**

Farm Chemicals, Inc.  
P. O. Box 667  
Raeford, N. C. 28376  
Contractor

**JOHN S. McRAE**

McLean Aerial Applicators  
Route #2, Box 27-C  
Maxton, N. C. 28364  
Applicator

**DONALD R. MACK**

Hanke's Spray Service  
P. O. Box 29  
Summerfield, Florida 32691  
P. O. Box 422  
Clio, S. C. 29525  
Applicator

**ERNEST H. MARSHALL**

Marshall Flying Service  
550 Norman Street  
P. O. Box 51  
Hendersonville, N. C. 28739  
Contractor and Applicator

**WILLIAM G. MATHIS**

Aero Services, Inc.  
P. O. Box 18  
Rocky Point, N. C. 28457  
Contractor and Applicator

**NOAH MERLE MAYO**

Route #2, Box 20  
Aurora, N. C. 27806  
Contractor

**HERMAN R. MEADS**

Meadstown Airport  
Route #1, Box 318  
Elizabeth City, N. C. 27909  
Contractor and Applicator

**HENRY E. MOORE, JR.**

Moore's Aerial Applicators  
P. O. Box 766  
Clinton, N. C. 28328  
Contractor and Applicator

**PHILIP R. MOORE**

Craft Spraying, Inc.  
824 Summit  
Lake Helen, Florida 32744  
2612 Sunset Avenue  
Greenville, N. C. 27834  
Applicator

**JAMES E. MOSER**

Godwin's Sprayers, Inc.  
Route #1  
King, N. C. 27021  
Route #5  
Dunn, N. C. 28334  
Applicator

**DAVID RICHARD NANNEY**

Noah Merle Mayo  
Route #2, Box 152  
Aurora, N. C. 27806  
Applicator

**HARRY W. NELSON**

P. O. Box 883  
Fort Pierce, Florida 33450  
Route #1  
Dover, N. C. 28526  
Contractor and Applicator

**DELMAR C. OWENS**

Route #2  
Columbia, N. C. 27925  
Contractor and Applicator

**EDWARD LOUIS OWENS, JR.**

Farm Chemicals, Inc.  
Route 1, Box 61  
Merry Hill, N. C. 27957  
P. O. Box 667  
Raeford, N. C. 28376  
Applicator

**MARION ELBERT PAGE**

Taylor & Page Flying Service  
RFD 1  
Sellers, S. C. 29592  
Contractor and Applicator

**GEORGE B. D. PARKER**

Ag-Copter, Inc.  
Chinquapin, N. C. 28521  
Contractor and Applicator

**WAYNE POINDEXTER**

Farmers' Air Service  
P. O. Box 1373  
Suffolk, Virginia 23434  
Colonial Motel  
Edenton, N. C. 27932  
Applicator

**JAMES C. PRICE**

Price Flying Service  
Dillon County Airport  
Dillon, S. C. 29536  
Contractor and Applicator

**JAMES LEWIS RHEW**

K. M. Biggs, Inc.  
1945 Forest Hill Drive  
Fayetteville, N. C. 28303  
Applicator

**JOHN A. ROBERTS**

Carolina Sprayers, Inc.  
Box 214  
Farmville, N. C. 27828  
Contractor and Applicator



M. M. RODDY  
Air-Ag, Inc.  
37 Country Club Drive  
Rocky Mount, N. C. 27801  
Applicator

DENNIS W. ROGERS  
Rogers' Flying Service  
36 E. 12th Street  
Roanoke Rapids, N. C. 27870  
4G Alta Villa  
Fort Bragg, N. C. 28307  
Contractor and Applicator

RUDY De ROSA  
Route #7, Box 95  
Kinston, N. C. 28501  
Applicator

JAMES DIXON ROUSE  
Craft Spraying, Inc.  
Route #2, Box 64  
Snow Hill, N. C. 28580  
Applicator

WILLIAM R. RUSH  
Pamlico Spraying Service  
12 Hillpoint Street  
Dayton, Ohio 45426  
328 W. Main  
Washington, N. C. 27889  
Applicator

LACY CARROLL SCARBORO, JR.  
Wood Spraying Service  
Route #2, Box 39  
Raeford, N. C. 28376  
Applicator

CARL M. SCHULKE  
Taylor & Page Flying Service  
107 Camp Drive  
West Monroe, Louisiana 71291  
204 N. 3rd Avenue  
Dillon, S. C. 29536  
Applicator

HENRY CLAY SPEAS  
Baggett Dusting Service  
218 Garden Street  
Fort Pierce, Florida 33450  
P. O. Box 361  
Scotland Neck, N. C. 27874  
Applicator

BRUCE K. STAMPLEY  
Bruce Aerial Applicators, Inc.  
901 Trestman Avenue  
Virginia Beach, Virginia 23462  
P. O. Box 1362  
Chesapeake, Virginia 23320  
Contractor and Applicator

DONALD L. STOTESBERRY  
Donald's Flying Service  
Route #1, Box 336-D  
Plymouth, N. C. 27962  
Contractor and Applicator

LEON MAYO SWAIN, JR.  
Delmar C. Owens  
Route #1, Box 23  
Roper, N. C. 27970  
Applicator

HORACE A. TAYLOR  
Taylor & Page Flying Service  
RFD #1  
Sellers, S. C. 29592  
Contractor and Applicator

JOSEPH QUINN THIGPEN  
Aerial Agri-Service  
Route #2  
Beulaville, N. C. 28518  
Route #4, Box 24T  
Washington, N. C. 27889  
Applicator

MARSHALL F. TILLET, JR.  
Tillett's Air Service  
922 Woodruff Avenue  
Elizabeth City, N. C. 27409  
Contractor and Applicator

BENJAMIN WIMBERLY TRUEBLOOD  
Air-Ag, Inc.  
206 Southern Boulevard  
Rocky Mount, N. C. 27801  
Applicator

JAMES I. TURLINGTON, JR.  
Price Flying Service  
c/o Dillon County Airport  
Dillon, S. C. 29536

DAVID WILSON TURNER  
Craft Spraying, Inc.  
Route #1  
LaGrange, N. C. 28551  
Applicator

WILLIAM L. UPCHURCH  
Wood Spraying Service  
212 Dickson Street  
Raeford, N. C. 28376  
Applicator

GEORGE D. WALTERS  
Walters' Air Service  
P. O. Box 84  
Elizabeth City, N. C. 27809  
Contractor and Applicator

ALLEN JOSEPH WARREN  
Moore's Aerial Applicators  
Route #5, Box 399-B  
Clinton, N. C. 28328  
Applicator

FRED WHITFIELD  
Alamance Aviation Service, Inc.  
Route #7, Box 128  
Burlington, N. C. 27218  
Contractor and Applicator

ROBERT O. WHITFIELD  
Bob's, Inc.  
Box 184, Route #2  
Hurdle Mills, N. C. 27541  
Contractor and Applicator

JOHN H. WHITTINGTON  
Agri-Air Service  
Route #2  
Rowland, N. C. 28383  
Contractor and Applicator

J. B. WILLIAMS, JR.  
Air-Ag, Inc.  
1320 Horne Street  
Rocky Mount, N. C. 27801  
Contractor and Applicator

ROY W. WOOD  
Wood Spray Service  
Route #3, Box 56  
Raeford, N. C. 28376  
Applicator and Contractor

STANLEY W. WOODARD  
Pamlico Spraying Service  
RFD #1  
Princeton, N. C. 27865  
Contractor





# Official Analyses

## Official Analyses

of

## Pesticides

1972

## Definitions of Decisions

A summary of pesticides analyzed and the results of samples determined to be at variance from the guarantee are tabulated in the following pages. For the reader's ready interpretation of the report, those designations used are explained in the following paragraphs.

**"PASSED"** signifies that the labeling and composition of the product satisfactorily complied with guarantees and requirements.

**"DEFICIENT"** signifies that one or more ingredients fell significantly below the guarantee. Such products are placed under "Stop Sale Orders" and are removed from the market for reprocessing or relabeling. A deficiency penalty is also assessed against the manufacturer.

**"EXCESSIVE ACTIVE INGREDIENT"** indicates a significant excess of one or more active ingredients. Such formulations could be harmful to the user and/or result in excessive residues.

**"ADULTERATED"** indicates that quantities of undeclared active ingredients were present above established tolerances. Such lots, batches or brands are stopped from sale and other appropriate action taken.

**"MISBRANDED"** signifies that labeling failed to conform to requirements. Omission of some item or statement is a more common flaw. Among these may be proper ingredient listing, skull and crossbones, "Poison" in red and an antidote where these are required; net contents by weight or volume; class of, and unsulfonated residues of petroleum oils; and percentages of alkaloids instead of crude product such as a sabadilla seed.

In some instances of misbranding, the defect appeared to be inadvertent and of a minor nature. In others, removal from sale is necessary.

**"NOT REGISTERED"** signifies that the product was not registered at the time it was sampled. Any such product is required to be registered prior to release from "Stop Sale Order." A delinquent registration penalty is also assessed against the manufacturer.

As has been the practice in past work, analyses were made largely for those ingredients which were considered of major importance, as, for example, gamma isomer of benzene hexachloride, whereas other isomers were not checked. For sake of brevity, items not generally checked are not listed in the tabulations. This should not be taken to indicate that manufacturers did not include them on labels. This procedure has been followed because it enables a broader coverage of all products offered for sale.



## Pesticides Examined, 1972

Name and Address of Company	SAMPLES					
	Ana-lyzed	Passed	Defi- cient	Exces- sive Active Ingre- dient	Adult- erated	Not Regis- tered
Allied Chemical Corporation Agricultural Division Pesticide Marketing Department Morristown, New Jersey .....	4	4	—	—	—	—
Amchen Products, Inc. Ambler, Pennsylvania .....	7	7	—	—	—	—
American Cyanamid Company Agricultural Division Princeton, New Jersey .....	7	7	—	—	—	—
Ansul Company, The Marinette, Wisconsin .....	5	5	—	—	—	—
BASF Wyandotte Corporation Parsippany, New Jersey .....	1	—	1	—	—	—
BASF Wyandotte Corporation Wyandotte, Michigan .....	1	1	—	—	—	—
B. T. Babbitt, Inc. Albany, New York .....	1	—	—	—	—	1
Bacon Products Company, Inc. Chattanooga, Tennessee .....	3	1	2	—	—	1
Bio-Ceutic Laboratories, Inc. Division of Philips Roxane, Inc. St. Joseph Missouri .....	1	1	—	—	—	—
Black Leaf Products Company Elgin, Illinois .....	2	2	—	—	—	—
Borderland Products, Inc. Buffalo, New York .....	1	1	—	—	—	—
Boyle-Midway, Inc. Cranford, New Jersey .....	4	4	—	—	—	—
Cape Fear Chemicals, Inc. Elizabethtown, North Carolina .....	50	37	4	—	—	9
Carajon Chemical Company, Inc. Fremont, Michigan .....	2	2	—	—	—	—
Carolina Chemical Corporation Wilson, North Carolina .....	27	22	5	—	—	1
Carolina Chemicals, Inc. West Columbia, South Carolina .....	7	5	—	1	—	1
Cenal Company Chicago, Illinois .....	1	—	—	—	—	1
Chatham County 4-H Council Pittsboro, North Carolina .....	1	1	—	—	—	—
Chemagro Corporation A Division of Baychem Corporation Kansas City, Missouri .....	15	15	—	—	—	—
Chemical Formulators, Inc. Nitro, West Virginia .....	1	—	—	—	—	1
Chevron Chemical Company Ortho Division Richmond, California .....	42	37	5	—	—	—
Ciba Agrochemical Company Summit, New Jersey .....	9	9	—	—	—	—

Name and Address of Company	SAMPLES					
	Ana-lyzed	Passed	Defi- cient	Exces- sive Active Ingred- ient	Adult- erated	Not Regis- tered
Coastal Chemical Corporation Greenville, North Carolina .....	58	47	10	—	—	1
Cooper U. S. A., Inc. Chicago, Illinois .....	1	1	—	—	—	—
Crest Chemical Company, Inc. Oldsmar, Florida .....	1	1	—	—	—	—
Daly-Herring Company Kinston, North Carolina .....	89	83	3	1	2	—
d-Con Company, Inc., The New York, New York .....	1	1	—	—	—	—
Delta Pet Products Harrison, New Jersey .....	1	1	—	—	—	—
DeSota Chemical Company, Inc. Arcadia, Florida .....	1	1	—	—	—	—
DeWitt Chemical Company Atlanta, Georgia .....	1	1	—	—	—	—
Diamond Shamrock Corporation Cleveland, Ohio .....	7	7	—	—	—	—
Dolge, C. B. Company, The Westport, Connecticut .....	1	—	—	—	—	1
Dow Chemical Company, The Midland, Michigan .....	16	16	—	—	—	—
Dragon Chemical Corporation Roanoke, Virginia .....	15	13	2	—	—	—
du Pont de Nemours, E. I. and Company Wilmington, Delaware .....	10	10	—	—	—	—
Durham Chemical Company Artesia, California .....	1	1	—	—	—	—
Echol Chemical Formulators, Inc. Lakeland, Florida .....	1	—	1	—	—	1
Economics Laboratory, Inc. St. Paul, Minnesota .....	2	2	—	—	—	—
Elanco Products Company A Division of Eli Lilly and Company Indianapolis, Indiana .....	8	8	—	—	—	—
FCX, Inc. Raleigh, North Carolina .....	99	89	8	2	1	—
Faesy and Besthoff, Inc. Edgewater, New Jersey .....	1	1	—	—	—	—
Fairmount Chemical Company, Inc. Newark, New Jersey .....	1	1	—	—	—	—
Farm Chemicals, Inc. Aberdeen, North Carolina .....	8	5	2	1	—	—
Federal Chemical Company, Inc. Indianapolis, Indiana .....	1	1	—	—	—	—
Florida Agricultural Supply Company Jacksonville, Florida .....	3	2	1	—	—	—
Forshaw Chemicals, Inc. Charlotte, North Carolina .....	1	1	—	—	—	—



Name and Address of Company	SAMPLES					
	Ana-lyzed	Passed	Defi- cient	Exces- sive Active Ingred- ient	Adult- erated	Not Regis- tered
French, R. T. Company, The Rochester, New York .....	1	1	—	—	—	—
Gaston Johnston Corporation Long Island City, New York .....	1	1	—	—	—	—
Geigy Agricultural Chemicals Ardsley, New York .....	37	37	—	—	—	—
Georgia Gulf Sulfur Company Bainbridge, Georgia .....	1	—	—	—	—	1
Gould's "Dell" Products Williamsport, Pennsylvania .....	3	2	—	—	—	1
Grace, W. R. and Company Wilmington, North Carolina .....	35	25	9	1	—	—
Grant, W. T. Company New York, New York .....	2	1	—	—	—	1
Happy Jack, Inc. Snow Hill, North Carolina .....	1	1	—	—	—	—
Harris, P. F. Manufacturing Company, Inc. North Little Rock, Arkansas .....	1	1	—	—	—	—
Helena Chemical Company—Southeast Tampa, Florida .....	2	—	1	1	—	—
Helena Chemical Company—Southeast West Columbia, South Carolina .....	30	19	9	—	—	2
Hercules, Inc. Atlanta, Georgia .....	2	2	—	—	—	—
Hooker Chemical Corporation Niagara Falls, New York .....	1	1	—	—	—	—
Hot Shot Quality Products, Inc. Memphis, Tennessee .....	2	2	—	—	—	—
Howerton Gowen Chemicals, Inc. Roanoke Rapids, North Carolina .....	5	2	2	1	—	—
Hugé Company, Inc., The St. Louis, Missouri .....	4	2	—	—	—	2
Huntington Laboratories, Inc. Huntington, Indiana .....	1	1	—	—	—	—
Insect Control Sales & Service Candor, North Carolina .....	1	1	—	—	—	—
Jet Supply Company Decatur, Georgia .....	1	—	—	—	—	1
Johnson, S. C. and Son, Inc. Racine, Wisconsin .....	1	1	—	—	—	—
Kaiser Agricultural Chemicals Savannah, Georgia .....	11	6	5	—	—	—
Kennecott Copper Corporation Special Products Division Houston, Texas .....	1	1	—	—	—	—
Kerr-McGee Chemical Corporation Jacksonville, Florida .....	13	9	4	—	—	—
LeGear Division of O'Neal, Jones and Feldman, Inc. St. Louis, Missouri .....	2	2	—	—	—	—

Name and Address of Company	SAMPLES					
	Ana-lyzed	Passed	Defi- cient	Exces- sive Active Ingred- ient	Adult- enented	Not Regis- tered
Maintenance Supply Service Corporation Huntersville, North Carolina .....	6	6	—	—	—	—
Marco Chemical Company Spartanburg, South Carolina .....	1	—	—	—	—	1
Master Products Company Fayetteville, North Carolina .....	2	2	—	—	—	—
Meherrin Agricultural and Chemical Company Severn, North Carolina .....	6	6	—	—	—	—
Mike, Inc. Newland, North Carolina .....	5	1	3	—	1	2
Miller Chemical and Fertilizer Corporation Hanover, Pennsylvania .....	1	1	—	—	—	—
Mobile Chemical Company Industrial Chemicals Division Richmond, Virginia .....	8	8	—	—	—	—
Momar, Inc. Atlanta, Georgia .....	1	1	—	—	—	—
Monsanto Company St. Louis, Missouri .....	10	10	—	—	—	—
Mosan Company Spartanburg, South Carolina .....	1	—	1	—	—	1
Niagara Chemical Division FMC Corporation Atlanta, Georgia .....	44	40	4	—	—	—
Nok-Out-Bam Chemical Company, Inc. Edgefield, South Carolina .....	1	1	—	—	—	—
Olin Corporation Stamford, Connecticut .....	1	1	—	—	—	—
Olin Corporation Little Rock, Arkansas .....	2	2	—	—	—	—
PPG Industries, Inc. Pittsburgh, Pennsylvania .....	1	1	—	—	—	—
Parramore and Griffin Company, Inc. Valdosta, Georgia .....	3	—	—	—	—	3
Pearson and Company Mobile, Alabama .....	3	3	—	—	—	—
Peele, W. R. Company, Inc. Clayton, North Carolina .....	1	1	—	—	—	—
Pennsalt Chemicals Corporation Philadelphia, Pennsylvania .....	1	1	—	—	—	—
Pennwalt Corporation Agchem-Decco Division Tacoma, Washington .....	4	4	—	—	—	—
Pfizer, Inc. New York, New York .....	2	2	—	—	—	—
Purde Frederick Company Yonkers, New York .....	1	—	—	—	—	1
Ralston Purina Company St. Louis, Missouri .....	4	3	—	—	1	—



Name and Address of Company	SAMPLES					
	Ana-lyzed	Passed	Defi-cient	Exces-sive Active Ingre-dient	Adult-erated	Not Regis-tered
Rhodia, Inc. Chipman Division New Brunswick, New Jersey .....	7	7	—	—	—	—
Rigo Chemical Company Nashville, Tennessee .....	11	9	1	—	—	1
Rohm and Haas Company Philadelphia, Pennsylvania .....	2	2	—	—	—	—
Scott, O. M. and Sons Company Marysville, Ohio .....	1	1	—	—	—	—
Sears, Roebuck and Company Chicago, Illinois .....	1	1	—	—	—	—
Selig Chemical Industries, The Atlanta, Georgia .....	3	3	—	—	—	—
Senoret Chemical Company, Inc. St. Louis, Missouri .....	1	1	—	—	—	—
Servicemaster Equipment and Materials Company Cairo, Illinois .....	1	1	—	—	—	—
Shell Chemical Company San Ramon, California .....	21	21	—	—	—	—
Shepard Chemical Works, Inc. Wilmington, North Carolina .....	1	—	1	—	—	—
Sherwin Williams Chemicals Division of the Sherwin-Williams Company Cleveland, Ohio .....	2	2	—	—	—	—
Singletary and Company, Inc. Rocky Mount, North Carolina .....	5	1	2	2	—	—
Smith-Douglass Division of Borden Chemical, Borden, Inc. Norfolk, Virginia .....	75	63	12	—	—	1
Southern Agricultural Chemicals, Inc. Kingstree, South Carolina .....	35	29	2	—	—	4
Southern Agricultural Insecticides, Inc. Palmetto, Florida .....	144	127	11	3	2	1
Southern Testing and Research Labs, Inc. Wilson, North Carolina .....	1	—	—	—	—	1
Squibb, E. R. and Sons, Inc. Princeton, New Jersey .....	2	2	—	—	—	—
Standard Naphthalene Products Company, Inc. Kearney, New Jersey .....	1	1	—	—	—	—
Standard Spray and Chemical Company Lakeland, Florida .....	4	3	—	—	—	1
Stauffer Chemical Company Tampa, Florida .....	27	26	1	—	—	1
Stephenson Chemical Company, Inc. College Park, Georgia .....	1	1	—	—	—	—
Sweeney, W. R. Manufacturer, Inc. Salisbury, Missouri .....	2	2	—	—	—	—
Swift Agricultural Chemicals Corporation Charlotte, North Carolina .....	2	2	—	—	—	—

Name and Address of Company	SAMPLES					
	Ana-lyzed	Passed	Defi-cient	Exces-sive Active Ingre-dient	Adult-erated	Not Regis-tered
Texize Chemicals, Inc. Greenville, South Carolina .....	3	3	—	—	—	—
Thompson-Hayward Chemical Company Kansas City, Kansas .....	25	18	3	—	—	4
Transvaal, Inc. Jacksonville, Arkansas .....	1	1	—	—	—	—
Union Carbide Corporation New York, New York .....	17	17	—	—	—	—
Uniroyal Chemical Division of Uniroyal, Inc. Bethany, Connecticut .....	12	12	—	—	—	—
United Co-operatives, Inc. Alliance, Ohio .....	8	6	1	—	—	1
Upjohn Company, The Kalamazoo, Michigan .....	3	3	—	—	—	—
Vanderbilt, R. T. Company, Inc. New York, New York .....	1	1	—	—	—	—
West Chemical Products, Inc. Long Island City, New York .....	3	3	—	—	—	—
Winn Chemical Company Mt. Airy, North Carolina .....	1	—	1	—	—	—
Woolfolk Chemical Works, Ltd. Fort Valley, Georgia .....	18	17	—	—	1	—
Zep Manufacturing Company Atlanta, Georgia .....	1	1	—	—	—	—
TOTALS .....	1,231	1,053	117	13	8	49

### Summary of Pesticides Examined — 1972

Number of manufacturers registered (total) .....	577
Number of manufacturers registered from North Carolina .....	81
Number of pesticide formulations registered .....	4,420
Total number of inspection reports .....	1,873
Total number of "Stop Sale Orders" issued .....	183
Total number of "Stop Sale Orders" resulting from failure to register .....	54
Number of analytical determinations .....	3,007



## Samples at Variance From Guarantee, 1972

Company and Brand Name	Guaranteed Per Cent	Found Per Cent	Decisions
<b>BASF Wyandotte Corporation</b>			
Basanite			
Dinoseb, as the alkanolamine salts of the ethanol and isopropanol series .....	51.00	—	Deficient
Equivalent Dinoseb .....	31.00	20.84	
<b>Bacon Products Company, Inc.</b>			
Flipo Special Flea Powder			
Malathion .....	4.00	2.53	Deficient
Level of cross contamination..	—	Satisfactory	
Malathion .....	4.00	3.06	Deficient
Level of cross contamination..	—	Satisfactory	
<b>Cape Fear Chemicals, Inc.</b>			
Tiger Brand 4% Malathion Dust			
Malathion .....	4.00	3.54	Deficient
Malathion .....	4.00	3.59	Deficient
Tiger Brand Peanut Dust			
Sulfur .....	75.00	79.60	Deficient
Carbaryl .....	5.00	3.89	
Copper as metallic .....	4.00	3.40	
Tiger Brand 5% Sevin Dust			
Carbaryl .....	5.00	4.26	Deficient
<b>Carolina Chemical Corporation</b>			
Champion Ferbam-Parathion Dust			
Ferbam .....	11.40	9.98	Deficient
Parathion .....	1.00	1.07	
Ferbam .....	11.40	10.18	Deficient
Parathion .....	1.00	1.04	
5% Sevin Dust			
Carbaryl .....	5.00	3.93	Deficient
Level of cross contamination..	—	Satisfactory	
Carbaryl .....	5.00	4.38	Deficient
Level of cross contamination..	—	Satisfactory	
Worm Whipper Tobacco Insecticide			
Endosulfan .....	12.57	8.19	Deficient
Parathion .....	6.29	6.13	
<b>Carolina Chemicals, Inc.</b>			
Flight Brand 5% Sevin Dust			
Carbaryl .....	5.00	8.05	Excessive Active Ingredient
<b>Chevron Chemical Company</b>			
Ortho Ferbam-DDT 11-4-5 Dust			
Ferbam .....	11.40	6.83	Deficient
DDT .....	5.00	3.94	

# 40 SAMPLES AT VARIANCE FROM GUARANTEE, 1972 (Cont.)

Company and Brand Name	Guaranteed Per Cent	Found Per Cent	Decisions
Ortho Ferbam-11.4 Dust			
Ferbam .....	11.40	5.63	Deficient
Ortho Sevin Bean Dust			
Carbaryl .....	1.75	0.75	Deficient
Ortho Sevin 5 Dust			
Carbaryl .....	5.00	4.44	Deficient
Carbaryl .....	5.00	4.58	Deficient
<b>Coastal Chemical Corporation</b>			
Coastal Dithane M-22 Special			
Maneb .....	1.40	0.78	Deficient
Maneb .....	1.40	0.85	Deficient
Maneb .....	1.40	0.75	Deficient
Maneb .....	1.40	0.82	Deficient
Maneb .....	1.40	0.81	Deficient
Coastal 2% Methomyl Insecticide Dust			
Methomyl .....	2.00	1.67	Deficient
Coastal Parathion 4			
Parathion .....	46.50	43.70	Deficient
Coastal 4% Parathion Granular			
Parathion .....	4.00	3.56	Deficient
Parathion .....	4.00	3.47	Deficient
15% Fermate Dust			
Ferbam .....	11.40	8.70	Deficient
<b>Daly-Herring Company</b>			
D-H 57% Malathion			
Malathion .....	57.00	54.20	Deficient
Malathion .....	57.00	55.10	Adulterated
Level of cross contamination..	—	450 ppm Toxaphene	
D-H 4% Malathion Dust			
Malathion .....	4.00	3.29	Deficient
Malathion .....	4.00	3.43	Deficient
D-H 4% Metallic Copper 85.5% Sulphur Peanut Dust			
Sulfur .....	85.50	85.30	Adulterated
Copper as metallic .....	4.00	4.04	
Level of cross contamination..	—	175 ppm Toxaphene	
D-H 14% Toxaphene 7% DDT 1% Parathion Dust			
*Toxaphene .....	14.00	—	Excessive
*DDT .....	7.00	—	Active Ingredient
Parathion .....	1.00	1.59	
*Theoretical chlorine .....	12.88	13.95	
<b>Dragon Chemical Corporation</b>			
Blue Dragon Garden Dust Contains 2% Sevin			
Carbaryl .....	2.00	1.73	Deficient
Sulfur .....	10.00	10.46	
Level of cross contamination..	—	Satisfactory	



SAMPLES AT VARIANCE FROM GUARANTEE, 1972 (Cont.) 41

Company and Brand Name	Guaranteed Per Cent	Found Per Cent	Decisions
Dragon 10% Chlordane Granular Chlordane .....	10.00	8.81	Deficient
Echol Chemical Formulators, Inc.			
CaS Micromized Calcium Sulphur Calcium .....	16.00	12.86	Deficient
Sulfur .....	40.00	32.25	
FCX, Inc.			
FCX Bug Blaster "D"			
Carbaryl .....	3.00	2.89	Adulterated
Malathion .....	3.00	2.68	Deficient
Level of cross contamination..	—	350 ppm Toxaphene	
FCX Chlordane 5 "G"			
Chlordane .....	5.00	6.27	Excessive Active Ingredient
FCX Copper Sulphur Peanut Dust			
Copper as metallic .....	4.00	3.97	Deficient
Sulfur .....	85.56	81.80	
FCX Ferbam No. 10 Dust			
Ferbam .....	11.40	8.17	Deficient
Level of cross contamination..	—	Satisfactory	
FCX 1.4% Maneb Dust			
Maneb .....	1.40	0.13	Deficient
FCX Polyram 3.5 Dust & Parathion			
Polyram .....	3.50	0.73	Deficient
Parathion .....	1.00	1.12	
FCX "73" Potato & Tomato Dust			
Carbaryl .....	3.00	3.11	Deficient
Copper as metallic .....	7.00	6.30	
Carbaryl .....	3.00	2.75	Deficient
Copper as metallic .....	7.00	6.45	
FCX 10% Toxaphene Dust			
Toxaphene .....	10.00	15.03	Excessive Active Ingredient
FCX 20-0 Toxaphene Dust			
Toxaphene .....	20.00	18.02	Deficient
Farm Chemicals, Inc.			
Farm Chem Parathion 4-E			
Parathion .....	45.30	56.85	Excessive Active Ingredient
Farm Chem 4-2-1 Tox-DDT-MP			
*Toxaphene .....	38.00	—	Deficient
*DDT .....	19.00	—	
Methyl Parathion .....	9.50	8.76	
*Theoretical chlorine .....	34.96	34.76	

# 42 SAMPLES AT VARIANCE FROM GUARANTEE, 1972 (Cont.)

Company and Brand Name	Guaranteed Per Cent	Found Per Cent	Decisions
<b>4-4 Tox-Methyl</b>			
Toxaphene .....	37.02	42.50	Deficient
Methyl Parathion .....	37.12	30.95	
<b>Florida Agricultural Supply Company</b>			
Fasco Sevin Dust — 10			
Carbaryl .....	10.00	8.24	Deficient
<b>Grace, W. R. and Company</b>			
Naco Malathion 25% Wettable Powder			
Malathion .....	25.00	21.94	Deficient
Level of cross contamination..	—	Satisfactory	
Naco Parathion 4% Granules			
Parathion .....	4.00	5.05	Excessive Active Ingredient
Naco 5% Sevin Dust			
Carbaryl .....	5.00	3.37	Deficient
Carbaryl .....	5.00	4.01	Deficient
Carbaryl .....	5.00	4.11	Deficient
Carbaryl .....	5.00	4.12	Deficient
Carbaryl .....	5.00	4.45	Deficient
Naco 10% Sevin Dust			
Carbaryl .....	10.00	8.86	Deficient
Naco Tobacco Dust 5-1			
Carbaryl .....	5.00	3.73	Deficient
Parathion .....	1.00	0.88	
20% Toxaphene Dust			
Toxaphene .....	20.00	18.47	Deficient
<b>Helena Chemical Company—Southeast</b>			
Helena 5% Aldrin Granular			
Aldrin .....	5.00	6.36	Excessive Active Ingredient
Helena Chlordane 8-E			
Chlordane .....	71.90	69.00	Deficient
Helena Ferbam 11.4% Dust			
Ferbam .....	11.40	9.88	Deficient
Helena Ferbam — Parathion			
Ferbam .....	11.40	10.36	Deficient
Parathion .....	1.00	0.85	
Helena 1% Parathion — 6½% Zineb Dust			
Parathion .....	1.00	0.99	Deficient
Zineb .....	6.50	5.57	
Helena 6.5% Zineb Dust			
Zineb .....	6.50	5.43	Deficient
Thor Brand Fermate — Parathion			
Ferbam .....	11.40	0.00	Deficient
Parathion .....	1.00	0.05	
Thor Brand 5% Sevin Dust			
Carbaryl .....	5.00	3.55	Deficient



Company and Brand Name	Guaranteed Per Cent	Found Per Cent	Decisions
Triple—Kill—T			
Toxaphene .....	37.13	39.03	Deficient
Methyl Parathion .....	27.85	23.80	
EPN .....	9.29	8.88	
Toxaphene .....	37.13	31.14	Deficient
Methyl Parathion .....	27.85	29.36	
EPN .....	9.29	9.90	
Toxaphene .....	37.13	39.50	Deficient
Methyl Parathion .....	27.85	24.50	
EPN .....	9.29	9.55	
Howerton Gowen Chemicals, Inc.			
Gowen's 74% Chlordane Emulsion Concentrate			
Chlordane .....	74.00	88.70	Excessive Active Ingredient
Gowen's 4-2-1 Cotton Spray			
*Toxaphene .....	40.00	—	Deficient
*DDT .....	20.00	—	
Methyl Parathion .....	12.50	5.59	
*Theoretical chlorine .....	36.80	42.02	
Gowen's 5% Malathion Dust			
Malathion .....	5.00	0.82	Deficient
Kaiser Agricultural Chemicals			
Kaiser 4% Malathion Dust			
Malathion .....	4.00	1.22	Deficient
Malathion .....	4.00	1.71	Deficient
Kaiser 10% Sevin			
Carbaryl .....	10.00	8.18	Deficient
Kaiser Wireworm Granules			
Parathion .....	4.00	3.52	Deficient
Methyl Parathion 4 E			
Methyl Parathion .....	45.56	42.65	Deficient
Kerr-McGee Chemical Corporation			
Fasco Copper Sevin Sulfur Dust 4-5-75			
Copper as metallic .....	4.00	4.14	Deficient
Carbaryl .....	5.00	4.51	
Sulfur .....	75.00	75.25	
Fasco Sevin Dust — 5			
Carbaryl .....	5.00	4.19	Deficient
Carbaryl .....	5.00	4.47	Deficient
Fasco Sevin Dust — 10			
Carbaryl .....	10.00	7.98	Deficient
Level of cross contamination..	—	Satisfactory	
Mike, Inc.			
Maneb Dust (101 Trademark Brand)			
Maneb .....	6.00	3.81	Deficient

# 44 SAMPLES AT VARIANCE FROM GUARANTEE, 1972 (Cont.)

Company and Brand Name	Guaranteed Per Cent	Found Per Cent	Decisions
Royal Brand Pole Bean Special			
Carbaryl .....	1.75	1.74	Deficient
Maneb .....	3.50	2.95	
Sulfur .....	35.00	36.37	
Level of cross contamination..	—	Satisfactory	
Royal Brand 101 Sevin Bean Dust			
Carbaryl .....	2.00	2.24	Deficient
Sulfur .....	25.00	23.30	
Royal Brand Sevin Bean Dust with Sulfur			
Carbaryl .....	2.00	1.93	Adulterated
Sulfur .....	25.00	23.75	
Level of cross contamination..	—	3,000 ppm	
		Toxaphene	
Mosan Company			
Mosan Moroelest — Selective Weed Killer			
Dimethyl amine salt of 2, 4-D..	20.00	9.54	Deficient
Niagara Chemical Division			
FMC Corporation			
Aqua 8 Parathion			
Parathion .....	80.00	77.10	Deficient
Niagara Polyram 5 Sevin 5 Dust			
Polyram .....	5.00	4.04	Deficient
Carbaryl .....	5.00	4.71	
Niagara Sevin 5 Dust			
Carbaryl .....	5.00	4.50	Deficient
Niagara Zineb 6.5 Phos Kil 1.0 Dust			
Zineb .....	6.50	4.74	Deficient
Parathion .....	1.00	0.74	
Ralston Purina Company			
Purina Malathion Spray			
Malathion .....	57.00	55.30	Adulterated
Level of cross contamination..	—	700 ppm Chlordane	
Rigo Chemical Company			
Kill-Ko Cythion Premium Grade Malathion			
Malathion .....	50.00	46.55	Deficient
Shepard Chemical Works, Inc.			
Shepard's Roach Killer			
Chlordane .....	2.00	1.00	Deficient
Sodium fluosilicate .....	38.00	42.30	
Singletary and Company, Inc.			
Singletary's Pest Control			
Arsenic trioxide .....	1.50	0.95	Deficient
Arsenic trioxide .....	1.50	1.14	Deficient
Arsenic trioxide .....	3.50	7.02	Excessive
Arsenic trioxide .....	3.50	8.68	Active Ingredient
			Excessive
			Active Ingredient



Company and Brand Name	Guaranteed Per Cent	Found Per Cent	Decisions
<b>Smith-Douglass</b>			
<b>Division of Borden Chemical, Borden Inc.</b>			
Aldrin 10% Granular			
Aldrin .....	10.00	8.47	Deficient
Copper-Sulfur 4-85 Dust for Peanuts			
Copper as metallic .....	4.00	4.10	Deficient
Sulfur .....	85.00	81.30	
Dithane M-45 — Sevin 5-5 Dust			
Ethylene bisdithiocarbamate ..	3.10	2.64	Deficient
Carbaryl .....	5.00	5.13	
Ethylene bisdithiocarbamate ..	3.10	2.31	Deficient
Carbaryl .....	5.00	4.90	
Ferbam-Parathion Dust			
Ferbam .....	11.40	10.52	Deficient
Parathion .....	1.00	1.20	
Malathion 4% Dust			
Malathion .....	4.00	3.47	Deficient
Sevin-Copper-Sulphur Dust for Peanuts			
Carbaryl .....	5.00	5.07	Deficient
Copper as metallic .....	4.00	3.31	
Sulfur .....	75.00	78.15	
Sevin 10% Dust			
Carbaryl .....	10.00	9.13	Deficient
Toxaphene-DDT-Méthyl Parathion 4-2-1 EC			
*Toxaphene .....	38.28	—	Deficient
*DDT .....	19.14	—	
Méthyl Parathion .....	9.57	9.94	
*Theoretical chlorine .....	35.22	32.42	
*Toxaphene .....	38.28	—	Deficient
*DDT .....	19.14	—	
Méthyl Parathion .....	9.57	8.89	
*Theoretical chlorine .....	35.22	35.87	
Toxaphene-Méthyl Parathion 6-3 EC			
Toxaphene .....	58.31	53.20	Deficient
Méthyl Parathion .....	32.80	25.20	
Zineb 6½% Dust			
Zineb .....	6.50	4.89	Deficient
<b>Southern Agricultural Chemicals, Inc.</b>			
Royal Brand Malathion 25 Dust Base			
Malathion .....	25.00	22.47	Deficient
Level of cross contamination..	—	Satisfactory	
Royal Brand 4% Parathion Granules			
Parathion .....	4.00	3.45	Deficient
<b>Southern Agricultural Insecticides, Inc.</b>			
Lawn & Turf Insecticide Granules			
Chlordane .....	7.00	7.36	Deficient
Carbaryl .....	7.00	6.31	

## 46 SAMPLES AT VARIANCE FROM GUARANTEE, 1972 (Cont.)

Company and Brand Name	Guaranteed Per Cent	Found Per Cent	Decisions
5% Malathion Dust			
Malathion .....	5.00	4.22	Deficient
25% Malathion Wettable Spray Concentrate			
Malathion .....	25.00	18.77	Deficient
Malathion .....	25.00	22.50	Deficient
SA-50 Brand 25% Malathion Wettable			
Malathion .....	25.00	20.22	Deficient
Level of cross contamination..	—	Satisfactory	
SA-50 Home Garden Weed Granules			
Dacthal .....	5.00	4.41	Deficient
SA-50 Kill Land Snails & Slugs (Bait Pellets)			
Metaldehyde .....	3.25	4.80	Excessive
Carbaryl .....	4.25	5.46	Active Ingredient
SA-50 Manzate Dust			
Maneb .....	5.60	4.63	Deficient
Maneb .....	5.60	4.62	Deficient
Maneb .....	5.60	4.77	Deficient
SA-50 4% Malathion Dust			
Malathion .....	4.00	3.43	Deficient
SA-50 17.3% Nemagon Soil Fumigant Granules			
1, 2-Dibromo-3-chloropropane	16.40	Not Present	Deficient
SA-50 Sevin 5% Dust			
Carbaryl .....	5.00	5.41	Adulterated
Level of cross contamination..	—	275 ppm Toxaphene	
Carbaryl .....	5.00	5.05	Adulterated
Level of cross contamination..	—	700 ppm Toxaphene	
SA-50 Tomato and Potato Dust			
Maneb .....	5.00	6.26	Excessive
Carbaryl .....	5.00	5.29	Active Ingredient
Maneb .....	5.00	6.15	Excessive
Carbaryl .....	5.00	5.19	Active Ingredient
<b>Stauffer Chemical Company</b>			
Stauffer Parathion 10 Granular			
Parathion .....	10.00	8.94	Deficient
<b>Thompson-Hayward Chemical Company</b>			
Methyl Parathion 4 E			
Methyl Parathion .....	45.00	43.00	Deficient
Planters 5% Sevin Dust			
Carbaryl .....	5.00	3.95	Deficient
T-H 4% Malathion Dust			
Malathion .....	4.00	3.47	Deficient



SAMPLES AT VARIANCE FROM GUARANTEE, 1972 (Cont.) 47

Company and Brand Name	Guaranteed Per Cent	Found Per Cent	Decisions
<b>United Co-Operatives, Inc.</b>			
Unico 4% Parathion Granular			
Parathion .....	4.00	3.01	Deficient
<b>Winn Chemical Company</b>			
Winn's Rat Poison			
Arsenic Trioxide .....	1.50	1.07	Deficient
<b>Woolfolk Chemical Works, Ltd.</b>			
Security 50% Sevin Wettable			
Carbaryl .....	50.00	49.35	Adulterated
Level of cross contamination..	—	100 ppm DDT	
		300 ppm BHC	







